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AD-677 035

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(Supplement to AD-410 397)

**VOLUME VIII of VIII VOLUMES**

**DDC-TAS-68-44**

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**SEPTEMBER 1968**



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U N C L A S S I F I E D - U N L I M I T E D

AD-677 035

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BIBLIOGRAPHY OF BIBLIOGRAPHIES  
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(Supplement to AD-410 397)

Volume VIII of VIII Volumes

DDC-TAS-68-44

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SEPTEMBER 1968

DEFENSE DOCUMENTATION CENTER  
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Cameron Station, Alexandria, Virginia 22314

U N C L A S S I F I E D - U N L I M I T E D

## P R E F A C E

This is the eighth volume of a series of Bibliography of Bibliographies in the collection of the Defense Documentation Center. This volume continues the supplement to AD-410 397 and contains approximately 291 bibliographic citations of unclassified-unlimited documents, which were acquired from August 1963 through October 1967. The other volumes are available as follows:

AD-392 800 Volume I - Restricted Data entries

AD-392 900 Volume II - Classified entries

AD-841 080 Volume III- Unclassified-Limited entries falling into COSATI fields 1-10

AD-841 090 Volume IV - Unclassified-Limited entries falling into COSATI fields 11-16

AD-841 100 Volume V - Unclassified-Limited entries falling into COSATI fields 17-22

AD-677 015 Volume VI - Unclassified-Unlimited entries falling into COSATI fields 1-6

AD-677 025 Volume VII- Unclassified-Unlimited entries falling into COSATI fields 7-13

The bibliographic citations in Volume VIII are arranged in 9 COSATI subject categories. To facilitate searching for specific entries, computer-produced indexes are provided. These include AD number-page, contract, subject(descriptor), corporate author(originator), personal author, and report number.

The complete set (8 volumes) contains approximately 2300 entries covering all 22 COSATI subject categories.

A description of each index follows:

#### AD NUMBER-PAGE INDEX

This index can be used to find the page number of a specific citation if the AD number is known. It can also be used in conjunction with the other indexes to locate quickly the AD numbers referenced there for entries contained in this volume.

#### CONTRACT INDEX

This index is arranged alphanumerically by contract number. Within a contract grouping each entry contains corporate author, source series number (if any), monitor number (if any), and AD number. When there are multiple document entries under one contract number, entries are arranged by AD number under each corporate author represented. A contract entry may also contain a letter F, A, or S on the left margin, indicating that the document is a Final, Annual, or Summary report. For example:

\*AF 49(638)-1348  
Graduate Aeronautical Labs Calif  
Inst of Tech Pasadena  
(AFOSR-65-2019)  
F AD-627 901

#### SUBJECT INDEX

Asterisked descriptors that identify the most significant subjects of the report are arranged alphabetically in the Subject Index. These descriptors may or may not have a modifying descriptor appearing directly below them. Under each descriptor entry appear the annotation and AD number. For example:

\*Damping  
Bibliographies  
Bibliography and Abstracts on Methods of  
Damping out Incipient Turbulence in Flow of  
Liquids.  
AD-427 728



## CORPORATE AUTHOR-MONITORING AGENCY INDEX

Corporate authors and monitoring agencies are arranged alphabetically in the index. The names are designated by asterisks. Under the corporate author the entry for each document contains the originator's report number, the title, and AD number. For example:

\*Naval Ordnance Lab White Oak MD  
\* \* \*  
Mathematics Dept-M-65  
The Water Entry Problem With Bibliography  
AD-641 176  
\* \* \*  
NOLTR-64-222  
U.S. Naval Ordnance Laboratory  
Unclassified Reports Published by the  
Aeroballistics Area  
AD-614 700  
\* \* \*  
NOLTR-66-173  
The Water Entry Problem With Bibliography  
AD-641 176

Three asterisks separate entries for reports by the same corporate author or monitoring agency.

## PERSONAL AUTHOR INDEX

The Personal Author Index contains entries arranged alphabetically by the last names of the authors of reports. When several report entries are given for one author, the entries are arranged numerically by AD number. The title or annotation for each report is given. For example:

\*Blau, Edmund J.  
\* \* \*  
Geophysical Effects of High-Altitude  
Nuclear Explosions of 1962, An annotated  
Bibliography  
AD-607 982  
\* \* \*  
Relativistic Effect on the Classical Doppler  
Shift: An Annotated Bibliography  
AD-641 504

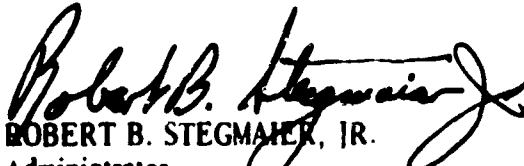
REPORT NUMBER INDEX

The Report Number Index lists identifying numbers assigned either by the document originators or by the sponsors of the work described in the documents.

AFCRL-67-0223  
AD-655 774

BY ORDER OF THE DIRECTOR, DEFENSE SUPPLY AGENCY

OFFICIAL

  
ROBERT B. STEGMAIER, JR.  
Administrator  
Defense Documentation Center

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REPORT NUMBER .....	R-1
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## **METHODS AND EQUIPMENT**

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-402 910

NAVAL RESEARCH LAB WASHINGTON D C

BIBLIOGRAPHY OF UNCLASSIFIED NRL FORMAL REPORTS

NUMBERS 1000 TO 5700.

(U)

JUL 62 145P

REPT. NO. NRL-57008

UNCLASSIFIED REPORT

DESCRIPTORS: \*BIBLIOGRAPHIES, \*NAVAL RESEARCH  
LABORATORIES, NAVAL RESEARCH.

(U)

A BIBLIOGRAPHY OF UNCLASSIFIED NRL FORMAL REPORTS,  
NUMBERS 1000-5700.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-406 608

TEXAS UNIV AUSTIN ELECTRICAL ENGINEERING RESEARCH

LAB

BIBLIOGRAPHY OF TECHNICAL REPORTS, PUBLICATIONS, AND

THESES - MARCH 1961-JUNE 1963.

(U)

JUN 63 20P

REPT. NO. 131

CONTRACT: NONR375 14, PROJ. NR371 032

UNCLASSIFIED REPORT

DESCRIPTORS: (\*BIBLIOGRAPHIES, SCIENTIFIC  
RESEARCH, (\*SCIENTIFIC RESEARCH, BIBLIOGRAPH  
IES), ELECTRICAL ENGINEERING, REPORTS, ELEC  
TRONICS, METEOROLOGY, ANTENNAS, PHYSICS,  
PROPAGATION, SIGNALS.

(U)

IDENTIFIERS: 1963.

(U)

BIBLIOGRAPHY OF TECHNICAL REPORTS, PUBLICATIONS AND THESES  
OF THE ELECTRICAL ENGINEERING RESEARCH LABORATORY  
UNIVERSITY OF TEXAS.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-410 397

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA  
BIBLIOGRAPHY OF BIBLIOGRAPHIES (SUPPLEMENT),

(U)

IV A1

MONITOR: UNCLASSIFIED REPORT  
UNCLASSIFIED REPORT

DESCRIPTORS: (•MATHEMATICS), (•AIRCRAFT),  
(•ASTRONOMY), (•BIBLIOGRAPHIES), GEOPHYSICS,  
GEOGRAPHY, CHEMICAL WARFARE, BIOLOGICAL WARFARE,  
CHEMISTRY, COMMUNICATION SYSTEMS, DETECTION,  
ELECTRONIC EQUIPMENT, ELECTRICAL EQUIPMENT,  
FLUID MECHANICS, FUELS, TRANSPORTATION, GUIDED  
MISSILES, MATERIALS, MEDICINE, METALLURGY,  
MILITARY TACTICS, NAVIGATION, NUCLEAR PHYSICS,  
NUCLEAR PROPULSION, ORDNANCE, PERSONNEL,  
PHOTOGRAPHY, PHYSICS, PSYCHOLOGY, SCIENTIFIC  
RESEARCH, SHIPS, PROPELLANTS

(U)

A LIST OF BIBLIOGRAPHIES CATALOGED BY DDC FROM  
JULY 1962 THROUGH JULY 1963 WAS UNDERTAKEN IN  
ORDER TO PROVIDE AN UP-TO-DATE COMPILATION OF  
EXISTING KNOWLEDGE ON SUBJECTS OF RESEARCH AND  
DEVELOPMENT INTEREST. THIS VOLUME IS A SUPPLEMENT  
TO AD-281 900, PUBLISHED JULY 1962, AND IS  
RESTRICTED TO UNLIMITED UNCLASSIFIED REFERENCES.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-412 658

AEROSPACE CORP EL SEGUNDO CALIF

QUARTERLY BIBLIOGRAPHY OF REPORTS PREPARED UNDER  
CONTRACT NO. AF04(695-169 (PERIOD COVERING 1

APRIL THROUGH 30 JUNE 1963),

(U)

JUL 63 IV PEER, COMP. BY BARBARA H. I

REPT. NO. REPT. NO. CSR169 999028R4

CONTRACT: AF04 695 169

UNCLASSIFIED REPORT

DESCRIPTORS: (AIR FORCE RESEARCH, BIBLIOG  
RAPHIES), (REPORTS, BIBLIOGRAPHIES),  
RESEARCH PROGRAM ADMINISTRATION.

(U)

THIS BIBLIOGRAPHY LISTS ALL REPORTS PUBLISHED  
DURING THE PERIOD 1 APRIL THROUGH 30 JUNE 1963  
UNDER CONTRACT AF 04(695)-169.  
(AUTHOR)

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-414 066

NATIONAL INSTITUTES OF HEALTH BETHESDA MD  
DESIGN OF LABORATORY FACILITIES. A CLASSIFIED LIST  
OF SELECTED REFERENCES, SUPPLEMENT 1. 1949-1963. (U)  
JUL 63 6P FOX, COMP. BY GERTRUDE I

UNCLASSIFIED REPORT

DESCRIPTORS: (MEDICAL LABORATORIES, DESIGN),  
(BIBLIOGRAPHIES, MEDICAL LABORATORIES),  
HOSPITALS, SITE SELECTION, RADIOBIOLOGY,  
RADIATION CHEMISTRY, INDUSTRIAL RESEARCH. (U)

A SELECTED LIST OF REFERENCES ON THE DESIGN OF LABORATORY  
FACILITIES.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-421 564

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA  
NON-DESTRUCTIVE TESTING. A DDC REPORT  
BIBLIOGRAPHY.

(U)

DESCRIPTIVE NOTE: BIBLIOGRAPHY FOR 1953-SEP 1963,  
SEP 63 IV HALL, ELIZABETH H. I

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*NON-DESTRUCTIVE TESTING,  
BIBLIOGRAPHIES), (\*RADIOGRAPHY, NON-  
DESTRUCTIVE TESTING), ULTRASONIC RADIATION,  
ACOUSTICS, MAGNETIC PROPERTIES, ELECTROMAGNETIC  
PROPERTIES, DYES, PENETRATION, THERMAL  
RADIATION, QUALITY CONTROL

(U)

IDENTIFIERS: 1963

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-421 845

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA  
SHOCK AND VIBRATION, DATA ANALYSIS AND APPLICATIONS.  
A DDC REPORT BIBLIOGRAPHY. (U)

DESCRIPTIVE NOTE: BIBLIOGRAPHY FOR 1953-OCT 63,  
NOV 63 IV HERCULES, WENDELL L. I

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (ENVIRONMENTAL TESTS, STANDARDIZATION),  
(VIBRATION, STATISTICAL ANALYSIS), (BIBLIOGRAPHIES,  
VIBRATION), IMPACT SHOCK, DATA PROCESSING SYSTEMS,  
DIGITAL COMPUTERS, CORRELATION TECHNIQUES, HARMONIC  
ANALYSIS, SYMPOSIA (U)  
IDENTIFIERS: 1963, POWER DENSITY SPECTRUM (U)

THIS BIBLIOGRAPHY WAS PREPARED IN RESPONSE TO A  
REQUEST BY THE CENTRALIZING ACTIVITY FOR SHOCK,  
VIBRATION AND ASSOCIATED ENVIRONMENTS IN  
CONNECTION WITH THE 33RD SYMPOSIUM DEC 3-5, 1963.  
REFERENCES FALL WITHIN THE FOLLOWING BROAD TOPIC  
AREAS: STATISTICAL ANALYSIS, DATA ANALYSIS/EQUIPMENT,  
DATA ANALYSIS - COMPUTERS, DATA MEASUREMENT, SHOCK  
AND VIBRATION DATA, AND TESTING. THE BIBLIOGRAPHY  
COVERS THE TIME PERIOD 1953 TO OCT. 1963 WITH  
PARTICULAR EMPHASIS PLACED ON DOCUMENTS ACCESSIONED  
BY DDC SINCE 1958. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-429 227

CALIFORNIA UNIV BERKELEY

RESEARCH INVESTIGATIONS CONDUCTED UNDER THE  
PROVISIONS OF CONTRACT NONR22267, PROJECT NRC36 031.(U)

DESCRIPTIVE NOTE: FINAL SUMMARY REPT.,

DEC 63 13P CORNET, I. I

REPT. NO. 8

CONTRACT: NONR22267

PROJ: NRC36 041

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (SCIENTIFIC RESEARCH, BIBLIOGRAPHIES),  
(BIBLIOGRAPHIES, SCIENTIFIC RESEARCH), (FATIGUE  
(MECHANICS), ABSTRACTS), (CORROSION, ABSTRACTS),  
SINGLE CRYSTALS, MAGNESIUM COMPOUNDS, OXIDES,  
DEFORMATION, ELECTRON MICROSCOPY, MECHANICS, COPPER,  
PIPES, ALUMINUM, CORROSIVE LIQUIDS, LAMINAR FLOW,  
TEMPERATURE, METALLURGY, DEFLECTION, ELECTROCHEMISTRY(U)  
IDENTIFIERS: 1963 (U)

ABSTRACTS OF REPORTS OF RESEARCH ON FATIGUE MECHANICS AND  
CORROSION.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-433 614

AEROSPACE CORP EL SEGUNDO CALIF

BIBLIOGRAPHY ON THE USE OF REDUNDANCY AS A MEANS OF  
IMPROVING RELIABILITY. (U)

JAN 64 34P HEAD, J. G. THOMPSON, R. J. I

REPT. NO. TDR269 4303 6

CONTRACT: AFO4 695 269

MONITOR: SSD TDR63 375

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (BIBLIOGRAPHIES, RELIABILITY  
(ELECTRONICS)), (RELIABILITY (ELECTRONICS),  
BIBLIOGRAPHIES), ELECTRONIC EQUIPMENT, REDUNDANT  
COMPONENTS, DIGITAL SYSTEMS, COMPUTERS, QUALITY  
CONTROL (U)

IDENTIFIERS: 1964 (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-457 110

BATTELLE MEMORIAL INST COLUMBUS OHIO  
WATER TUNNEL DESIGN AND RELATED INSTRUMENTATION  
CONSIDERATIONS AND A SELECTED BIBLIOGRAPHY ON  
INCOMPRESSIBLE INTERNAL FLUID FLOW.

(U)

NOV 64 SSP HARP, J. L. HOEHNE, V.

O. ALLEN, J. M. WHITACRE, G. R. I

CONTRACT: DA01 021AMC203Z

MONITOR: RSIC 328

UNCLASSIFIED REPORT

DESCRIPTORS: (WATER TUNNELS, DESIGN),  
(INCOMPRESSIBLE FLOW, WATER TUNNELS),  
INSTRUMENTATION, MEASUREMENT, FLOW VISUALIZATION,  
TWO-DIMENSIONAL FLOW, HYDRAULIC MODELS, PUMPS, HEAT  
EXCHANGERS, WATER, LIQUEFIED GASES, NITROGEN, REVIEWS,  
BIBLIOGRAPHIES, CRYOGENICS, FEASIBILITY STUDIES, ARMY  
RESEARCH, HYDRODYNAMICS

(U)

THIS REPORT PRESENTS THE RESULTS OF A STATE-OF-THE-ART SURVEY ON FLOW-TUNNEL DESIGN AND RELATED INSTRUMENTATION FOR TUNNELS USING WATER OR LIQUID NITROGEN AS THE WORKING FLUID. THE SCOPE OF THE SURVEY IS PURPOSELY NARROWED BY CONSIDERATIONS OF THE PROPOSED TUNNEL TO BE DESIGNED AND BUILT AT NASA'S GEORGE C. MARSHALL SPACE FLIGHT CENTER (MSFC). INITIAL APPLICATION OF THE PROPOSED TUNNEL WILL INCLUDE INTERNAL-FLUID-FLOW STUDIES OF CRYOGENIC FUEL-SYSTEM COMPONENTS OR COMBINATIONS THEREOF. MAJOR CONSIDERATIONS APPLICABLE TO THE PRINCIPAL COMPONENTS OF THE PROPOSED TUNNEL ARE PRESENTED. SOME SPECIFIC RECOMMENDATIONS ARE ALSO PRESENTED FOR CONSIDERATION BY THOSE WHO WILL UNDERTAKE THE ACTUAL DESIGN AND OPERATION OF THE PROPOSED TUNNEL. LITERATURE CITED IS LISTED AT THE END OF THE REPORT FOR FURTHER DETAILED STUDY. MANY OF THESE REFERENCES ARE, IN THEMSELVES, DESIGN STUDIES FOR LIQUIDFLOW TUNNELS OR FLOW-TUNNEL SECTIONS. ALSO INCLUDED IS A SELECTED BIBLIOGRAPHY ON INTERNAL FLUID FLOW, WITH A BRIEF DESCRIPTION OF EACH. THE CATEGORIES INCLUDED ARE PRESSURE DROP; FLOW PATTERNS INCLUDING CURVED FLOWS, MIXING, AND FLOW MEASUREMENT; VISUALIZATION INCLUDING FLOW MODELING, CAVITATION, AND TRANSIENTS; FLOW OF CRYOGENIC FLUIDS; AND TWO-PHASE FLOW. (AUTHOR)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-462 687

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
HIGH VACUUM TECHNIQUES.

(U)

DESCRIPTIVE NOTE: SPECIAL BIBLIOGRAPHY,

OCT 59 3P CARROLL, K. D. I

REPT. NO. SB-59-48

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DISTRIBUTION: MICROFICHE ONLY AFTER ORIGINAL COPIES  
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SUPPLEMENTARY NOTE:

DESCRIPTORS: (•VACUUM, BIBLIOGRAPHIES);  
(•BIBLIOGRAPHIES, VACUUM), MEASUREMENT, EVAPORATION,  
SURFACE PROPERTIES, VACUUM APPARATUS

(U)

IDENTIFIERS: HIGH VACUUM, ULTRAHIGH VACUUM

(U)

HIGH VACUUM TECHNIQUES.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-462 690

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
COMBINED ENVIRONMENTAL TESTING, (U)  
DESCRIPTIVE NOTE: SPECIAL BIBLIOGRAPHY,  
FEB 60 10P EVANS, G. R. I  
REF. NO. SB-60-7

UNCLASSIFIED REPORT  
AVAILABILITY: MICROFICHE ONLY AFTER ORIGINAL COPIES  
EXHAUSTED.  
SUPPLEMENTARY NOTE:

DESCRIPTORS: (•ENVIRONMENTAL TESTS, BIBLIOGRAPHIES),  
(•GUIDED MISSILES, ENVIRONMENTAL TESTS), (•ELECTRONIC  
EQUIPMENT, GUIDED MISSILE COMPONENTS), ABSTRACTING,  
DOCUMENTATION (U)

BIBLIOGRAPHY ON COMBINED ENVIRONMENTAL TESTING, RELATING  
CHIEFLY TO GUIDED MISSILES AND THEIR ELECTRONIC  
EQUIPMENT.



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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-462 692

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
HIGH TEMPERATURE STRAIN GAGES AND BONDING  
MATERIALS.

(U)

DESCRIPTIVE NOTE: SPECIAL BIBLIOGRAPHY,  
FEB 60 JIP BELTRAN, A. A. I  
REPT. NO. SB-60 9

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DISTRIBUTION: MICROFICHE ONLY AFTER ORIGINAL COPIES  
EXHAUSTED.

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*STRAIN GAGES, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, STRAIN GAGES), (\*ADHESIVES, HIGH-  
TEMPERATURE RESEARCH), CERAMIC MATERIALS

(U)

BIBLIOGRAPHY ON HIGH-TEMPERATURE STRAIN GAGES.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-468 834

NAVAL PERSONNEL RESEARCH ACTIVITY SAN DIEGO CALIF  
A SELECTED ANNOTATED BIBLIOGRAPHY ON COST-  
EFFECTIVENESS AND MAN/MACHINE FUNCTION  
ALLOCATION.

(U)

DESCRIPTIVE NOTE: RESEARCH MEMO.,  
AUG 65 39P WEBB, J. SCOTT I  
REPT. NO. SRM-66-4

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*COSTS, EFFECTIVENESS),  
(\*SYSTEMS ENGINEERING, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, SYSTEMS ENGINEERING),  
MILITARY PERSONNEL, PERSONNEL MANAGEMENT, HUMAN  
ENGINEERING, AUTOMATION

(U)

THIS BIBLIOGRAPHY INCLUDES THE REFERENCES AND  
SUMMARIES OF OVER 100 PUBLICATIONS PERTAINING TO  
SYSTEM COSTS, SYSTEM EFFECTIVENESS, COST-  
EFFECTIVENESS RATIOS, AND MAN/MACHINE FUNCTION  
ALLOCATION. (AUTHOR)

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 292

PREVENTION OF DETERIORATION CENTER NAS-NRC WASHINGTON D

C  
REFERENCES PERTAINING TO MOISTURE SENSING  
DEVICES.

(U)

JUN 64 JOP LEE, RICHARD W. H. I  
REPT. NO. 562 025 , PDL43969

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*BIBLIOGRAPHIES, HYGROMETERS),  
(\*HYGROMETERS, BIBLIOGRAPHIES), HUMIDITY, MOISTURE,  
CONTROLLED ATMOSPHERES, ELECTRICAL EQUIPMENT

(U)

A BIBLIOGRAPHY INCLUDING 60 REFERENCES PERTAINING  
TO MOISTURE-SENSING DEVICES IS PRESENTED.

(U)

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AD-602 241

AEROSPACE CORP EL SEGUNDO CALIF  
PROFESSIONAL PAPERS CLEARED FOR POSSIBLE PUBLICATION  
AND/OR PRESENTATION. (U)

DESCRIPTIVE NOTE: REPT. FOR 16 JUN 63-15 JUN 64,  
JUN 64 86P BRADY, FRANCES A. I

REPT. NO. CSR-269 9990APP1 SUPERSEDES ,CSR-269  
9990PP1-PP11

CONTRACT: AFO4 695 269

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•BIBLIOGRAPHIES, •SCIENTIFIC  
RESEARCH), REPORTS, PHYSICS, CHEMISTRY,  
MATHEMATICS, ENGINEERING, MINING ENGINEERING,  
AERONAUTICS, SPACE FLIGHT, METALLURGY,  
GEOLOGY (U)

THE BIBLIOGRAPHY IS AN INTEGRATION OF THE PREVIOUS  
BIBLIOGRAPHIES TOGETHER WITH ADDITIONS, AND IS  
COMPRISED OF A LISTING OF ALL PROFESSIONAL PAPERS  
CLEARED AT AEROSPACE CORPORATION FOR THE PERIOD  
16 JUNE 1963 THROUGH 15 JUNE 1964. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-606 181

SYSTEM DEVELOPMENT CORP SANTA MONICA CALIF  
SDC DOCUMENTS APPLICABLE TO STATE AND LOCAL  
GOVERNMENT PROBLEMS. (U)

DESCRIPTIVE NOTE: SCIENTIFIC REPT.,

AUG 64 10P ISAACS, HERBERT H. I  
REPT. NO. TM-2025

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*SYSTEMS ENGINEERING, BIBLIOGRAPHIES),  
(\*INDEXES, OPERATIONS RESEARCH), (\*BIBLIOGRAPHIES,  
SYSTEMS ENGINEERING), (\*SOCIOLOGY, SYSTEMS  
ENGINEERING), DOCUMENTATION, UNITED STATES GOVERNMENT,  
MEDICAL RESEARCH, PROGRAMMING (COMPUTERS), EDUCATION,  
TRAINING, URBAN PLANNING, SIMULATION, INFORMATION  
RETRIEVAL, LAW, COMPUTERS, MANAGEMENT ENGINEERING (U)

THIS DOCUMENT CONTAINS A SELECTIVE LIST OF SDC  
PUBLICATIONS AVAILABLE TO EXTERNAL REQUESTERS. THE  
DOCUMENTS ON THIS LIST WERE SELECTED ON THE BASIS OF  
THEIR GENERAL OR SPECIFIC APPLICABILITY TO CURRENT  
PROBLEMS OF STATE AND LOCAL GOVERNMENT. WORK OF A  
MORE BASIC RESEARCH NATURE HAS BEEN OMITTED. THE  
LIST IS ORGANIZED BY SUBSTANTIVE CATEGORIES AND  
ALPHABETICALLY BY AUTHOR WITHIN EACH CATEGORY. THE  
CATEGORIES INCLUDE: THE ADMINISTRATION OF JUSTICE,  
BIO-MEDICAL SYSTEMS, COMPUTER PROGRAM SYSTEMS, THE  
DEVELOPMENT AND MANAGEMENT OF COMPUTER-BASED SYSTEMS,  
EDUCATION AND TRAINING, INFORMATION RETRIEVAL,  
SIMULATION IN EXPERIMENTATION, AND URBAN INFORMATION  
SYSTEMS. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 539

MASSACHUSETTS INST OF TECH LEXINGTON LINCOLN LAB

UNCLASSIFIED PUBLICATIONS OF LINCOLN LABORATORY, (U)

MAR 64 210P

CONTRACT: AF19 628 500

MONITOR: ESD , YDR64 340

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*BIBLIOGRAPHIES, SCIENTIFIC RESEARCH),  
(\*SCIENTIFIC RESEARCH, BIBLIOGRAPHIES), (\*PHYSICS  
LABORATORIES, SCIENTIFIC RESEARCH), REPORTS, DATA  
PROCESSING SYSTEMS, PHYSICS, RADAR, INFORMATION  
RETRIEVAL, SPACE COMMUNICATION SYSTEMS, ENGINEERING,  
SOLID STATE PHYSICS, REENTRY VEHICLES, INDEXES,  
ELECTRONICS, MAGNETIC MATERIALS, SEMICONDUCTOR  
DEVICES, LASERS, MATHEMATICAL ANALYSIS, ATMOSPHERE  
ENTRY, MATERIALS (U)

THE REPORT IS A NEW CUMULATIVE LISTING OF  
UNCLASSIFIED REPORTS PUBLISHED SINCE THE LABORATORY  
WAS ESTABLISHED IN 1961. THE 18 JULY 1961  
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MASSACHUSETTS 02139. REQUESTS SHOULD CITE THE  
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UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 549

TRW SPACE TECHNOLOGY LABS LOS ANGELES CALIF

CIRCUIT DESIGN RELIABILITY THROUGH REDUNDANCY, (U)

AUG 60 JIP TREW, JAMES R. I

REPT. NO. STL/AB 60-5111-38 , STL-D-38

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON A LITERATURE SURVEY OF  
UNCLASSIFIED REPORTS.

DESCRIPTORS: (BIBLIOGRAPHIES, RELIABILITY  
(ELECTRONICS), (RELIABILITY (ELECTRONICS), REDUNDANT  
COMPONENTS), CIRCUITS, DESIGN, ABSTRACTS, REVIEWS (U)

A COMPILATION OF ABSTRACTS. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-608 053

JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS  
LAB

GUIDE TO THE LITERATURE OF ENGINEERING, MATHEMATICS,  
AND THE PHYSICAL SCIENCES. (U)

DESCRIPTIVE NOTE: SECOND ED.

90P GOLDMAN, SYLVIA I

REPT. NO. TG-230-B3

CONTRACT: NON62 0604C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (ENGINEERING, BIBLIOGRAPHIES),  
(MATHEMATICS BIBLIOGRAPHIES), (PHYSICS,  
BIBLIOGRAPHIES), (BIBLIOGRAPHIES, SCIENTIFIC  
RESEARCH), AERONAUTICS, ASTRONAUTICS, CHEMICAL  
ENGINEERING, MECHANICAL ENGINEERING, ELECTRONICS,  
ELECTRICAL ENGINEERING, COMPUTERS, ASTRONOMY,  
GEOPHYSICS, ACOUSTICS, BALLISTICS, FLUID MECHANICS (U)

THE SECOND EDITION IS A SELECTED BIBLIOGRAPHY WHICH  
EMPHASIZES THE AREAS OF SCIENCE AND ENGINEERING OF  
PRIMARY IMPORTANCE TO STAFF MEMBERS OF THE APPLIED  
PHYSICS LABORATORY. THE FIRST EDITION INCLUDED  
MATERIAL PUBLISHED FROM 1953 THROUGH 1959. THE  
SECOND EDITION UPDATES THE MATERIAL THROUGH 1963.  
THE ABSTRACTING JOURNALS AND INDEXES ARE LISTED  
ALPHABETICALLY BY TITLE. PERIODICALS ARE ARRANGED  
BY SUBJECT AND LISTED ALPHABETICALLY BY TITLE IN EACH  
SUBJECT CATEGORY. IN EVERY CASE, THE DATE OF THE  
FIRST ISSUE AND PUBLISHER IS INCLUDED IN THE  
CITATION. REFERENCE WORKS ARE ORGANIZED NOT BY  
SUBJECT BUT BY TYPE OF MATERIALS, SUCH AS  
DICTIONARIES AND GLOSSARIES, ENCYCLOPEDIAS, HANDBOOKS  
AND MANUALS, AND MATHEMATICAL TABLES. ITEMS ARE  
LISTED ALPHABETICALLY BY AUTHOR. CITATIONS INCLUDE  
AUTHOR, TITLE, EDITION, PLACE, PUBLISHER, AND DATE OF  
PUBLICATION. GENERAL BOOKS ARE ORGANIZED BY  
SUBJECT AND LISTED ALPHABETICALLY BY AUTHOR, WITH THE  
SAME BIBLIOGRAPHIC INFORMATION AS IS CITED FOR  
REFERENCE MATERIALS. THE AUTHOR INDEX, A NEW  
FEATURE IN THE SECOND EDITION, IS INCLUDED TO  
FACILITATE THE USE OF THE BIBLIOGRAPHY. (AUTHOR)

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000342

AD-609 226

AERONAUTICAL CHART AND INFORMATION CENTER ST LOUIS MO  
CATALOG OF PUBLICATIONS. (U)

DESCRIPTIVE NOTE: EDITION NO. 4.

NOV 64 14P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: EXCLUSIVE OF CHARTS, FLIGHT  
INFORMATION PUBLICATIONS, AND RELATED  
SPECIFICATIONS.

DESCRIPTORS: (\*BIBLIOGRAPHIES, \*SCIENTIFIC  
RESEARCH), (\*MAPPING, BIBLIOGRAPHIES),  
CATALOGS, AERONAUTICS, MAPS, GEODESICS,  
SATELLITES(ARTIFICIAL), PHOTOGRAPHY,  
COATINGS, PROCESSING, REPORTS (U)

CATALOG OF PUBLICATIONS: BIBLIOGRAPHY ON MISCELLANEOUS  
RESEARCH.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY    SEARCH CONTROL NO. 000362

AD-609 252

MARTIN CO ORLANDO FLA

TECHNICAL WRITING: A SELECTED BIBLIOGRAPHY, (U)

NOV 69    17P

MCCLURE, LUCILLE I

REPT. NO. RB-87

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (SCIENTIFIC RESEARCH), (REPORTS,  
BIBLIOGRAPHIES), SOCIAL COMMUNICATION,  
VOCABULARY, LANGUAGE, SPECIFICATIONS,  
INSTRUCTION MANUALS, HANDBOOKS (U)  
IDENTIFIERS: TECHNICAL WRITING (U)

TECHNICAL WRITING: A SELECTED BIBLIOGRAPHY.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-612 042

ARMY MATERIALS RESEARCH AGENCY WATERTOWN MASS

A REPORT GUIDE TO GAMMA RADIOGRAPHIC LITERATURE. (U)

DESCRIPTIVE NOTE: MONOGRAPH SERIES,

AUG 64 102P RODGERS, ERNEST M. IDER

BOGHOSIAN, SATRAK I

REPT. NO. AMRA-MS-64-11

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*RADIOGRAPHY, BIBLIOGRAPHIES),  
(\*NONDESTRUCTIVE TESTING, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, RADIOGRAPHY), (\*MATERIALS, NON-  
DESTRUCTIVE TESTING), REPORTS, ABSTRACTING, INDEXES,  
ARMY RESEARCH, GAMMA RAYS, QUALITY CONTROL, METALS, X  
RAYS, RADIOACTIVE ISOTOPES, TEST METHODS, TEST  
EQUIPMENT (U)

THIS GUIDE CONSISTS OF A BIBLIOGRAPHY OF ITEMS  
CURRENTLY IN THE AMRA NONDESTRUCTIVE TESTING  
INFORMATION RETRIEVAL SYSTEM COVERING THE  
SUBJECT OF GAMMA RADIOGRAPHY. WHERE AVAILABLE,  
EACH ITEM IN THIS JOURNAL CONSISTS OF THE FOLLOWING  
INFORMATION: (1) ITEM, REPORT, OR ARTICLE TITLE;  
(2) AUTHOR OR AUTHORS; (3) SOURCE OR  
FACILITY; (4) REPORT NUMBER OR IDENTIFICATION;  
(5) DATE; AND (6) ABSTRACT. WORD  
DESCRIPTORS PERTINENT TO EACH ITEM ARE LISTED IN  
ALPHABETICAL ORDER AND ARE CROSS-REFERENCED BY THE  
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AUTHOR INDEX OR, IF NO AUTHOR IS AVAILABLE, THEN THE  
ISSUING ORGANIZATION IS LISTED. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-612 043

ARMY MATERIALS RESEARCH AGENCY WATERTOWN MASS

A REPORT GUIDE TO THERMAL TESTING LITERATURE. (U)

DESCRIPTIVE NOTE; MONOGRAPH SERIES,

AUG 64 47P HERNID, CHARLES P. I

RODGERS, ERNEST H. I

REPT. NO. AMRA-MS-64-14

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (NON-DESTRUCTIVE TESTING, BIBLIOGRAPHIES), (MATERIALS, NON-DESTRUCTIVE TESTING), (BIBLIOGRAPHIES, NON-DESTRUCTIVE TESTING), TEMPERATURE, REPORTS, ABSTRACTING, INDEXES, ARMY RESEARCH, INFRARED RADIATION, ULTRASONIC RADIATION, TEMPERATURE SENSITIVE ELEMENTS, METALS, THERMAL PROPERTIES, TEST METHODS, TEST EQUIPMENT (U)

THIS GUIDE CONSISTS OF A BIBLIOGRAPHY OF ITEMS CURRENTLY IN THE AMRA NONDESTRUCTIVE TESTING INFORMATION RETRIEVAL SYSTEM COVERING THE SUBJECT OF THERMAL TESTING. WHERE AVAILABLE, EACH ITEM IN THIS JOURNAL CONSISTS OF THE FOLLOWING INFORMATION: (1) ITEM, REPORT, OR ARTICLE TITLE; (2) AUTHOR OR AUTHORS; (3) SOURCE OR FACILITY; (4) REPORT NUMBER OR IDENTIFICATION; (5) DATE; AND (6) ABSTRACT. WORD DESCRIPTORS PERTINENT TO EACH ITEM ARE LISTED IN ALPHABETICAL ORDER AND ARE CROSS-REFERENCED BY THE AMRA IDENTIFICATION NUMBER. ALSO PROVIDED IS AN AUTHOR INDEX OR, IF NO AUTHOR IS AVAILABLE, THEN THE ISSUING ORGANIZATION IS LISTED. (U)

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AD-612 044

ARMY MATERIALS RESEARCH AGENCY WATERTOWN MASS  
A REPORT GUIDE TO LIQUID PENETRANT LITERATURE.

(U)

DESCRIPTIVE NOTE: MONOGRAPH SERIES,

AUG 64 36P RODGERS, ERNEST M. I

HERMID, CHARLES P. I

REPT. NO. AMRA-MS-64-12

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*NON-DESTRUCTIVE TESTING,  
BIBLIOGRAPHIES), (\*BIBLIOGRAPHIES, NON-DESTRUCTIVE  
TESTING), (\*MATERIALS, NON-DESTRUCTIVE TESTING),  
LIQUIDS, PENETRATION, REPORTS, ABSTRACTING, INDEXES,  
ARMY RESEARCH, METALS, DYES, TEST EQUIPMENT, TEST  
METHODS, MAGNETIC PROPERTIES, ULTRASONIC RADIATION (U)

THIS GUIDE CONSISTS OF A BIBLIOGRAPHY OF ITEMS  
CURRENTLY IN THE AMRA NONDESTRUCTIVE TESTING  
INFORMATION RETRIEVAL SYSTEM COVERING THE  
SUBJECT OF LIQUID PENETRANTS. WHERE AVAILABLE,  
EACH ITEM IN THIS JOURNAL CONSISTS OF THE FOLLOWING  
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FACILITY; (4) REPORT NUMBER OR IDENTIFICATION;  
(5) DATE; AND (6) ABSTRACT. WORD  
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AD-612 045

ARMY MATERIALS RESEARCH AGENCY WATERTOWN MASS  
A REPORT GUIDE TO LITERATURE IN THE FIELDS OF  
FLUOROSCOPY AND REMOTE VIEWING TECHNIQUES. (U)

DESCRIPTIVE NOTE; MONOGRAPH SERIES,

AUG 64 43P MERHIB, CHARLES P. ;DER

BOGHOSIAN, SATRAK I

REPT. NO. AMRA-MS-64-13

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*NON-DESTRUCTIVE TESTING,  
BIBLIOGRAPHIES), (\*BIBLIOGRAPHIES, NON-DESTRUCTIVE  
TESTING), (\*MATERIALS, NON-DESTRUCTIVE TESTING),  
(\*FLUOROSCOPES, NONDESTRUCTIVE TESTING), REPORTS,  
ABSTRACTING, INDEXES, ARMY RESEARCH, RADIOGRAPHY,  
METALS, TEST METHODS, TEST EQUIPMENT, IMAGE TUBES (U)

THIS GUIDE CONSISTS OF A BIBLIOGRAPHY OF ITEMS  
CURRENTLY IN THE AMRA NONDESTRUCTIVE TESTING  
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SUBJECT OF FLUOROSCOPY AND REMOTE VIEWING TECHNIQUES.  
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SOURCE OR FACILITY; (4) REPORT NUMBER OR  
IDENTIFICATION; (5) DATE; AND (6) ABSTRACT.  
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AD-612 047

ARMY MATERIALS RESEARCH AGENCY WATERTOWN MASS  
A REPORT GUIDE TO AUTORADIOGRAPHIC AND  
MICRORADIOGRAPHIC LITERATURE.

(U)

DESCRIPTIVE NOTE: MONOGRAPH SERIES,

AUG 64 32P RODGERS, ERNEST H. I

REPT. NO. MS-64-10

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•NON-DESTRUCTIVE TESTING,  
BIBLIOGRAPHIES), (•BIBLIOGRAPHIES, NON-DESTRUCTIVE  
TESTING), (•MATERIALS, NON-DESTRUCTIVE TESTING),  
(•RADIOGRAPHY, NON-DESTRUCTIVE TESTING),  
AUTORADIOGRAPHY, REPORTS, ABSTRACTING, INDEXES, ARMY  
RESEARCH, METALS, RADIOACTIVE ISOTOPES, METALLOGRAPHY,  
TEST METHODS, TEST EQUIPMENT (U)

THIS GUIDE CONSISTS OF A BIBLIOGRAPHY OF ITEMS  
CURRENTLY IN THE AMRA NONDESTRUCTIVE TESTING  
INFORMATION RETRIEVAL SYSTEM COVERING THE  
SUBJECTS OF AUTORADIOGRAPHY AND MICRORADIOGRAPHY.  
WHERE AVAILABLE, EACH ITEM IN THIS JOURNAL CONSISTS  
OF THE FOLLOWING INFORMATION: (1) ITEM REPORT, OR  
ARTICLE TITLE, (2) AUTHOR OR AUTHORS, (3)  
SOURCE OR FACILITY, (4) REPORT NUMBER OR  
IDENTIFICATION, (5) DATE, AND (6) ABSTRACT.  
WORD DESCRIPTORS PERTINENT TO EACH ITEM ARE LISTED  
IN ALPHABETICAL ORDER AND ARE CROSS-REFERENCED BY THE  
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AUTHOR INDEX OR, IF NO AUTHOR IS AVAILABLE, THEN THE  
ISSUING ORGANIZATION IS LISTED. (U)

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AD-614 700

NAVAL ORDNANCE LAB WHITE OAK MD

U. S. NAVAL ORDNANCE LABORATORY UNCLASSIFIED REPORTS  
PUBLISHED BY THE AEROBALLISTICS AREA. (U)

DESCRIPTIVE NOTE: FINAL REPT. FOR 1 OCT 45-31 DEC 62,

NOV 64 96P THOMPSON, BETTY M. I

REPT. NO. NOLTR-64-222

PROJ: 600 0100

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (NAVAL RESEARCH, REPORTS), (REPORTS,  
NAVAL RESEARCH LABORATORIES), BALLISTICS, INDEXES,  
ABSTRACTING, BIBLIOGRAPHIES, FLUID MECHANICS, ORDNANCE (U)

A LIST OF ALL NAVAL ORDNANCE LABORATORY  
UNCLASSIFIED REPORTS PUBLISHED BY THE  
AEROBALLISTICS AREA DURING THE PERIOD 1 OCTOBER  
1945 THROUGH 31 DECEMBER 1962 IS PRESENTED.  
(AUTHOR) (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-615 000

ARMY ELECTRONICS LABS FORT MONMOUTH N J  
PUBLICATIONS, PRESENTATIONS AND PATENTS, 1964. (U)  
DESCRIPTIVE NOTE; BIBLIOGRAPHY.  
64 61P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (ARMY RESEARCH, REPORTS),  
(ELECTRONICS, REPORTS), ELECTRONICS LABORATORIES,  
BIBLIOGRAPHIES, LASERS, ELECTRONIC EQUIPMENT, PATENTS(U)

THIS REPORT IS A COMPILATION OF UNCLASSIFIED  
PUBLICATIONS, PRESENTATIONS AND PATENTS MADE DURING  
THE CALENDAR YEAR 1964 TO CONSOLIDATE SOME OF THE  
TECHNICAL CONTRIBUTIONS MADE BY USAEL PERSONNEL.  
IT INCLUDES FOR THE FIRST TIME INTERNALLY GENERATED  
UNCLASSIFIED TECHNICAL REPORTS. USAEL SPONSORED  
SYMPOSIA ARE ALSO LISTED. PUBLICATIONS FROM  
CONTRACTUALLY SUPPORTED RESEARCH PROGRAMS ARE NOT  
INCLUDED. (U)

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AD-618 391

MASSACHUSETTS INST OF TECH LEXINGTON LINCOLN LAB  
UNCLASSIFIED PUBLICATIONS OF LINCOLN LABORATORY,  
SUPPLEMENT 1.

(U)

DESCRIPTIVE NOTE: REPT. FOR 15 MAR 64-15 JUN 65,  
JUN 65 10P

CONTRACT: AF19 628 500

MONITOR: ESD , TDR-64-340

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-607 539.

DESCRIPTORS: (•BIBLIOGRAPHIES, SCIENTIFIC  
RESEARCH), (•SCIENTIFIC RESEARCH,  
BIBLIOGRAPHIES), (•PHYSICS LABORATORIES,  
SCIENTIFIC RESEARCH), REPORTS, INDEXES,  
ELECTRONICS, PHYSICS, SPACE COMMUNICATION  
SYSTEMS, SOLID STATE PHYSICS, LASERS, RADIO  
ASTRONOMY, MAGNETIC MATERIALS, ATMOSPHERE ENTRY,  
MATERIALS, SEMICONDUCTORS, RADAR,  
ENGINEERING

(U)

THIS LIST OF UNCLASSIFIED PUBLICATIONS OF  
LINCOLN LABORATORY IS THE FIRST SUPPLEMENT TO  
THE 15 MARCH 1964 EDITION, WHICH SHOULD BE RETAINED  
UNTIL A NEW CUMULATIVE LISTING IS PUBLISHED.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-618 672

ARMY BIOLOGICAL LABS FREDERICK MD  
MICROBIOLOGICAL SAFETY BIBLIOGRAPHY, (U)  
JUL 65 OIP PHILLIPS, G. BRIGGS I  
JENSKI, JOSEPH V. I  
REPT. NO. MISCELLANEOUS PUBLICATION-6

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*BIOLOGICAL LABORATORIES, SAFETY),  
(\*BIOLOGICAL CONTAMINATION, BIBLIOGRAPHIES),  
MEDICAL LABORATORIES, MEDICAL TECHNICIANS,  
INFECTIONS, HAZARDS, LABORATORY ANIMALS,  
LABORATORY EQUIPMENT, GERMICIDES, VENTILATION,  
ULTRAVIOLET RADIATION, AEROSOL GENERATORS,  
SAMPLERS, RESPIRATORS, PROTECTIVE MASKS,  
DECONTAMINATION (U)

MORE THAN A THOUSAND ARTICLES ON BIOLOGICAL SAFETY  
IN INFECTIOUS DISEASE LABORATORIES ARE LISTED FOR THE  
USE OF SUPERVISORS RESPONSIBLE FOR THE SAFETY OF  
LABORATORY PERSONNEL. AN AUTHOR INDEX IS INCLUDED.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-618 717

FORDHAM UNIV BRONX N Y INST OF CONTEMPORARY RUSSIAN  
STUDIES

SOVIET BIOMEDICAL JOURNALS: INDEX TO SELECTED  
ABSTRACTS, SERIES II, NOS. 1-4,

(U)

JUN 65 68P JASKIEWICZ, W. C. I  
CONTRACT: DA18 108 405CHL867A  
MONITOR: TT , 65-62789

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•MEDICAL RESEARCH, INDEXES),  
(•USSR, MEDICAL RESEARCH), PERIODICALS,  
ABSTRACTING, SUBJECT INDEXING, BIBLIOGRAPHIES,  
MICROBIOLOGY, DISEASES, PHARMACOLOGY, BIOLOGY,  
BIOCHEMISTRY, PHYSIOLOGY, MEDICAL PERSONNEL,  
SCIENTIFIC PERSONNEL, MEDICAL LABORATORIES,  
BIOLOGICAL LABORATORIES

(U)

THE REPORT INCLUDES THE FOLLOWING: (1) AN  
INDEX OF SUBJECTS MENTIONED IN THE BIBLIOGRAPHIES  
AND ABSTRACTS OF SERIES II OF THE SELECTED  
ABSTRACTS; (2) AN INDEX OF PERSONS WHO  
WERE MENTIONED IN THE ABSTRACTS AS AUTHORS OR  
SCIENTIFIC CONTRIBUTORS; (3) AN INDEX OF  
SOVIET AND OTHER BIOMEDICAL INSTITUTES AND  
FACILITIES FROM WHICH THE ORIGINAL MATERIAL  
ORIGINATED OR WHICH WERE MENTIONED IN THE COURSE OF  
THE ORIGINAL ARTICLE; AND (4) AN INDEX OF  
GEOGRAPHICAL PLACES MENTIONED IN THE ABSTRACTS.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-619 373

HRB-SINGER INC STATE COLLEGE PA  
TOWARD A GENERAL METHODOLOGY FOR SYSTEMS  
EVALUATION,

(U)

JUL 65 73P MARKEL, GENE A. I  
REPT. NO. HRB-352-R-13  
CONTRACT: NONR381000

UNCLASSIFIED REPORT

DESCRIPTORS: (SYSTEMS ENGINEERING, THEORY),  
OPERATIONS RESEARCH, COMMUNICATION THEORY,  
BIBLIOGRAPHIES

(U)

IDENTIFIERS: HOIST PROJECT, SYSTEMS ANALYSIS,  
EVALUATION

(U)

THE PAPER ATTEMPTS TO ESTABLISH A GENERALIZED  
APPROACH TO SYSTEMS EVALUATION. A FUNDAMENTAL  
PERSPECTIVE ON SYSTEMS EVALUATION IS FORMULATED BY  
APPLYING THE RUDIMENTARY PRINCIPLES OF EVALUATION TO  
THE SYSTEM CONCEPT. SYSTEMS MAY BE EVALUATED ON THE  
BASIS OF THEIR STRUCTURAL, OPERATIONAL OR PERFORMANCE  
CHARACTERISTICS. A MODULAR APPROACH IS RECOMMENDED  
AS MOST VALID AND PRACTICAL FOR GENERAL SYSTEMS  
EVALUATION. THE MODULAR CONCEPT IS EMPLOYED TO  
ESTABLISH REQUIREMENTS FOR THE EVALUATION OF  
INTELLIGENCE SYSTEMS AND SOME APPLICABLE MODELING  
CONCEPTS ARE DESCRIBED. AN ANNOTATED BIBLIOGRAPHY  
OF SOME LITERATURE RELATED TO SYSTEMS EVALUATION IS  
INCLUDED AS AN APPENDIX. (AUTHOR)

(U)

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AD-622 232

AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D  
C

CHARGE-CHANGING COLLISIONS IN GASES. A DESCRIPTIVE  
BIBLIOGRAPHY. I.

(U)

FEB 64 146P

REPT. NO. AID-U-64-4

MONITOR: TT , 68-64121

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: COMPILED FROM ZHURNAL  
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1930-63. AVAILABLE COPY WILL NOT PERMIT FULLY LEGIBLE  
REPRODUCTION. REPRODUCTION WILL BE MADE IF REQUESTED BY  
USERS OF DDC. COPY IS AVAILABLE FOR PUBLIC SALE.

DESCRIPTORS: (•IONIZATION, GASES), (•NUCLEAR  
SCATTERING, IONIZATION), BIBLIOGRAPHIES, PLASMA  
MEDIUM, ELECTRON CAPTURE, PERTURBATION THEORY,  
ELECTRIC DISCHARGES, DISSOCIATION, EXCITATION,  
INELASTIC SCATTERING, HYDROGEN, OXYGEN, WATER,  
HELIUM GROUP GASES, IONS, IRON, COBALT,  
NICKEL, SILICON, GERMANIUM, TIN, LEAD,  
LITHIUM, USSR

(U)

A BIBLIOGRAPHY IS GIVEN OF CHARGE-CHANGING  
COLLISIONS IN GASES. EIGHTY-SEVEN ARTICLES ARE  
LISTED AND THEIR ABSTRACTS ARE INCLUDED.

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-622 940

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C

ELECTROSTATIC PHOTOGRAPHY.

(U)

JAN 64 49P

REPT. NO. AID-U-64-2

MONITOR: TT , 65-64285

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: BIBLIOGRAPHY OF SOVIET LITERATURE  
FOR THE PERIOD 1959-1963.

DESCRIPTORS: (ELECTROPHOTOGRAPHY, USSR),  
PHOTOGRAPHIC EQUIPMENT, PHOTOGRAPHIC MATERIALS,  
PHOTOGRAPHIC TECHNIQUES, ELECTROSTATICS,  
BIBLIOGRAPHIES

(U)

THIS BIBLIOGRAPHY IS INTENDED AS A GUIDE TO  
SOVIET LITERATURE ON ELECTROSTATIC PHOTOGRAPHY.  
THE BIBLIOGRAPHY COVERS THE PERIOD 1959-1963.  
THE 68 ENTRIES ARE ARRANGED ALPHABETICALLY BY  
AUTHOR WITHIN EACH SECTION. AN ANNOTATION IS  
PROVIDED FOR EACH ARTICLE. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-627 886 14/1 12/2  
RAND CORP SANTA MONICA CALIF  
ANNOTATED BIBLIOGRAPHY ON SYSTEMS COST ANALYSIS. (U)  
FEB 66 70P DONVITO, P. A. I  
REPT. NO. RM-4848-PR  
CONTRACT: AF49(638)-1700

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (COST EFFECTIVENESS,  
BIBLIOGRAPHIES), (OPERATIONS RESEARCH, COST  
EFFECTIVENESS), DEPARTMENT OF DEFENSE, BUDGETS,  
SYSTEMS ENGINEERING (U)

A BIBLIOGRAPHY OF UNCLASSIFIED LITERATURE ON  
SYSTEMS COST ANALYSIS, INCLUDING BOOKS, PAMPHLETS,  
ARTICLES, PAPERS, AND TECHNICAL AND RESEARCH  
MEMORANDA, GIVING THE NATURE AND CONTENT OF EACH  
WORK. THE TITLES ARE GROUPED INTO CATEGORIES  
REPRESENTING BROAD AREAS OF COST ANALYSIS AND ITS  
APPLICATION IN THE DEPARTMENT OF DEFENSE.  
(AUTHOR) (U)



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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-640 252 14/2 6/8 15/5 13/4  
11/10 4/2

ARMY NATICK LABS MASS  
BIBLIOGRAPHY OF TECHNICAL PUBLICATIONS AND PAPERS,  
JANUARY 1965 - JUNE 1966. (U)  
DESCRIPTIVE NOTE: TECHNICAL REPT.  
JUL 66 75P  
REPT. NO. TR-67-1,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (ARMY RESEARCH, REPORTS),  
BIBLIOGRAPHIES, CLOTHING, ORGANIC MATERIALS,  
FOOD, CONTAINERS, MECHANICAL ENGINEERING, AIR  
DROP OPERATIONS, METEOROLOGY (U)

A BIBLIOGRAPHIC LISTING OF TECHNICAL PUBLICATIONS  
AND PAPERS BY THE PERSONNEL OF THE U. S. ARMY  
NATICK LABORATORIES AND ITS CONTRACTORS FOR THE  
PERIOD JANUARY 1965 THROUGH JUNE 1966.  
(AUTHOR) (U)

**MILITARY SCIENCES**

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-403 861

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

CHEMICAL AND BIOLOGICAL WARFARE (USSR). (U)

APR 63 34P

MONITOR: AID B63 52

UNCLASSIFIED REPORT

DESCRIPTORS: \*BIOLOGICAL WARFARE, \*CHEMICAL  
WARFARE, \*BIBLIOGRAPHIES.

(U)

IDENTIFIERS: USSR.

(U)

CHEMICAL AND BIOLOGICAL WARFARE BIBLIOGRAPHY (USSR)  
BASED ON SOVIET AND SOVIET-BLOC-OPEN SOURCE MATERIALS  
AVAILABLE AT THE AEROSPACE INFORMATION DIVISION AND  
THE LIBRARY OF CONGRESS AND COVERS THE PERIOD FROM  
JANUARY 1960 THROUGH DECEMBER 1962.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-405 962

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA  
WEAPONS.

(U)

JUN 63 IV

UNCLASSIFIED REPORT

DESCRIPTORS: (•WEAPONS), ABSTRACTS, CHEMICAL  
WARFARE, BIOLOGICAL WARFARE, CIVIL DEFENSE  
SYSTEMS, MILITARY PERSONNEL, NUCLEAR WEAPONS,  
NUCLEAR WARFARE, RADIOLOGICAL CONTAMINATION,  
BIBLIOGRAPHIES

(U)

IDENTIFIERS: USSR.

(U)

AN ABSTRACT BIBLIOGRAPHY ON WEAPONS USED IN MODERN  
WARFARE.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-413 797

QUARTERMASTER RESEARCH AND ENGINEERING COMMAND NATICK  
MASS

BIBLIOGRAPHY OF PUBLICATIONS AND TECHNICAL PAPERS  
FOR 1962. (U)

MAY 63 37P

MONITOR: QREC

QMRE27

UNCLASSIFIED REPORT

DESCRIPTORS: (\*ARMED FORCES SUPPLIES,  
BIBLIOGRAPHIES), (\*BIBLIOGRAPHIES, ARMED FORCES  
SUPPLIES), LOGISTICS, FOOD, SCIENTIFIC  
RESEARCH, ENGINEERING, REPORTS. (U)

IDENTIFIERS: 1962. (U)

BIBLIOGRAPHY OF PUBLICATIONS AND TECHNICAL PAPERS BY THE  
QUARTERMASTER RESEARCH AND ENGINEERING CENTER.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY    SEARCH CONTROL NO. 000362

AD-418 084

STANFORD RESEARCH INST MENLO PARK CALIF  
DEFENSE ANALYSIS CENTER BIBLIOGRAPHY AND ABSTRACTS.

(U)

SEP 63        IV

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS:    (\*BIBLIOGRAPHIES, NATIONAL DEFENSE),  
                 (\*NATIONAL DEFENSE, BIBLIOGRAPHIES)

(U)

IDENTIFIERS:    1963, CONUS, AIR DEFENSE, ARMS  
CONTROL

(U)

DEFENSE ANALYSIS CENTER BIBLIOGRAPHY AND ABSTRACTS.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-429 209

AMERICAN UNIV WASHINGTON D C

UNCONVENTIONAL WARFARE.

(U)

DESCRIPTIVE NOTE: BIBLIOGRAPHY SUPPLEMENT NO. 1,

JAN 64 36P

GARDNER, NANCY ANN :

REPT. NO. RM64 1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SUPPLEMENT NO. 1 TO AD-404 755.

DESCRIPTORS: (\*BIBLIOGRAPHIES, UNCONVENTIONAL  
WARFARE), (\*UNCONVENTIONAL WARFARE, BIBLIOGRAPHIES),  
GUERRILLA WARFARE, LIMITED WAR, COUNTERINSURGENCY,  
MILITARY STRATEGY, MILITARY ORGANIZATION, OPERATIONS  
RESEARCH, MODELS (SIMULATIONS), HISTORY, THEORY (U)

IDENTIFIERS: 1964, ASIA, EUROPE, LATIN AMERICA, USSR,  
AFRICA, CUBA, IRAN, IRAQ (U)

UNCONVENTIONAL WARFARE BIBLIOGRAPHY SUPPLEMENT NUMBER 1.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-431 929

AMERICAN UNIV WASHINGTON D C  
JUNGLE WARFARE BIBLIOGRAPHY,  
JAN 64 SIP HUGHISUDDIN, MARGARET I  
BUTLERAND, BARBARA REASON IGARDNER, NANCY ANN I  
REPT. NO. RM64 2

(U)

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*GUERRILLA WARFARE, BIBLIOGRAPHIES),  
COUNTERINSURGENCY, ABSTRACTS, LABOR, MILITARY TACTICS,  
JUNGLES, TERRAIN, CLIMATOLOGY, ECOLOGY, MILITARY  
TRAINING, MILITARY REQUIREMENTS, MILITARY  
PERSONNEL (U)

IDENTIFIERS: AFRICA, ASIA, LATIN AMERICA, KENYA,  
1964 (U)

INFORMATION ON JUNGLE TERRAIN AND CLIMATE, AS THEY  
AFFECT TACTICS, MATERIEL, AND MANPOWER, IS OF  
INTEREST TO THE U. S. ARMY BECAUSE U. S. TROOPS  
ARE DAILY INVOLVED IN TRAINING FOR AND ADVISING ON  
THE CONDUCT OF WARFARE IN THE JUNGLES OF AFRICA,  
ASIA, AND LATIN AMERICA. THIS BIBLIOGRAPHY  
PRESENTS ARTICLES AND BOOKS CONTAINING INFORMATION  
ON EXPERIENCES IN JUNGLE CAMPAIGNS, SUGGESTIONS FOR  
TACTICS TAILORED FOR USE IN JUNGLES, AND WAYS OF  
TRAINING TROOPS IN JUNGLE WARFARE. THIS MATERIAL  
SHOULD BE OF USE TO ARMY SCHOOLS. THE ITEMS  
CONTAINED IN THIS BIBLIOGRAPHY WERE REVIEWED IN THE  
COURSE OF MAINTAINING A BIBLIOGRAPHIC SURVEY OF THE  
UNCLASSIFIED, ENGLISH-LANGUAGE SOURCES OF  
INFORMATION ON COUNTERINSURGENCY. THEY ARE  
DIVIDED ACCORDING TO GEOGRAPHIC AREA, AND THERE IS AN  
AUTHOR-TITLE INDEX TO AID THE READER IN  
LOCATING ITEMS. (AUTHOR) (U)



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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-433 158

AMERICAN UNIV WASHINGTON D C  
COUNTERINSURGENCY BIBLIOGRAPHY SUPPLEMENT NO. 2, (U)  
DESCRIPTIVE NOTE: RESEARCH MEMO.,  
MAR 64 44P MUGHISUDDIN, MARGARET I  
REPT. NO. RM-64-4

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SUPPLEMENT TO AD-409 100.

DESCRIPTORS: (\*BIBLIOGRAPHIES,  
\*COUNTERINSURGENCY), MODELS(SIMULATIONS),  
HISTORY, MILITARY STRATEGY, GUERRILLA WARFARE,  
POPULATION, LOGISTICS, FOREIGN POLICY, DEFENSE  
SYSTEMS, THEORY, ABSTRACTS (U)  
IDENTIFIERS: SORO, 1964, INSURGENCY, ANTIGUERRILLA  
WARFARE, PRE-WORLD WAR TWO, POSTWORLD WAR TWO,  
AXISCOUNTERINSURGENCY (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-442 272

AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH  
OFFICE

COUNTERINSURGENCY BIBLIOGRAPHY,

(U)

JUN 64 42P MUGHISUDDIN, MARGARET ;

REPT. NO. RM64 9

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SUPPL. NO. 3 TO AD-294 857 AND AD-  
409 100.

DESCRIPTORS: (\*COUNTERINSURGENCY, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, COUNTERINSURGENCY), ABSTRACTS,  
HISTORY, TRAINING, GUERRILLA WARFARE, PSYCHOLOGICAL  
WARFARE, STRATEGIC WARFARE, CUBA, SOUTH ASIA, SOUTH  
AMERICA, VIETNAM, LIMITED WAR, LOGISTICS, DEFENSE  
SYSTEMS, AFRICA

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD 446 444

AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH  
OFFICE

PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY. SUPPLEMENT NO.  
3. (U)

AUG 64 32P OWENS, GAIL I  
REPT. NO. RM64 12

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*BIBLIOGRAPHIES, PSYCHOLOGICAL  
WARFARE), (\*PSYCHOLOGICAL WARFARE, BIBLIOGRAPHIES),  
(\*OPERATIONS RESEARCH, PSYCHOLOGICAL WARFARE),  
POLITICAL SCIENCE, MILITARY STRATEGY, MILITARY  
TACTICS, PROPAGANDA (U)  
IDENTIFIERS: BRAINWASHING (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-452 176

AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH  
OFFICE

UNCONVENTIONAL WARFARE - BIBLIOGRAPHY SUPPLEMENT NO.

4.

(U)

OCT 64 49P GARDNER, NANCY ANN I  
REPT. NO. RH64 14

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (BIBLIOGRAPHIES, UNCONVENTIONAL  
WARFARE), (UNCONVENTIONAL WARFARE, BIBLIOGRAPHIES),  
GUERRILLA WARFARE, COUNTERINSURGENCY (U)  
IDENTIFIERS: 1964 (U)

UNCONVENTIONAL WARFARE BIBLIOGRAPHY SUPPLEMENT NO. 4.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY    SEARCH CONTROL NO. 000362

AD-456 200

AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH  
OFFICE

PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY. SUPPLEMENT NO.

(U)

4,

NOV 64    23P    OWENS, GAIL I

REPT. NO. RM64 15

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: ORIGINAL COPY IS OF POOR QUALITY.  
REPRODUCTION MAY NOT BE ENTIRELY LEGIBLE.

DESCRIPTORS:    (•PSYCHOLOGICAL WARFARE,  
BIBLIOGRAPHIES), (•BIBLIOGRAPHIES, PSYCHOLOGICAL  
WARFARE), OPERATIONS RESEARCH, PROPAGANDA, COMMUNISM,  
COMMUNICATION SYSTEMS, MILITARY INTELLIGENCE,  
POLITICAL SCIENCE, DISPLAY SYSTEMS

(U)

IDENTIFIERS:    ABSTRACTS

(U)

BIBLIOGRAPHY OF HISTORICAL AND FUNDAMENTAL ELEMENTS OF  
PSYCHOLOGICAL OPERATIONS.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-459 765

AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH  
OFFICE

COUNTERINSURGENCY BIBLIOGRAPHY SUPPLEMENT NO. 5. (U)

DESCRIPTIVE NOTE: RESEARCH MEMO.,

DEC 64 JOP HUGH SUDDIN, MARGARET I

REPT. NO. RM-64-16

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*COUNTERINSURGENCY, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, COUNTERINSURGENCY), GUERRILLA  
WARFARE, MILITARY STRATEGY, FOREIGN POLICY, UNITED  
STATES GOVERNMENT, WARFARE, MILITARY ORGANIZATIONS,  
MILITARY PERSONNEL, MILITARY INTELLIGENCE, MILITARY  
TRAINING, LOGISTICS, INDEXES (U)

CONTENTS: PART I: FUNDAMENTAL ELEMENTS OF  
COUNTERINSURGENCY -- THE INSURGENCY PROBLEM;  
UNITED STATES POSTURE; ADMINISTRATIVE  
MATTERS; INTELLIGENCE AND COUNTERINTELLIGENCE;  
POPULATION MANAGEMENT; ANTIGUERRILLA WARFARE;  
PART II: HISTORICAL MODELS OF  
COUNTERINSURGENCY -- PREWORLD WAR III  
WORLD WAR III POST-WORLD WAR II  
CASES. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-460 444

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

SOVIET LITERATURE ON PROTECTIVE STRUCTURES AND  
COMPONENTS. (U)

DESCRIPTIVE NOTE; COMPILATION OF ABSTRACTS ON SURVEYS OF  
SOVIETBLOC SCIENTIFIC AND TECHNICAL LITERATURE.

MAY 64 25P

REPT. NO. ATD-U-64-44

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*CIVIL ENGINEERING, USSR),  
(\*TRANSPORTATION, USSR), (\*BIBLIOGRAPHIES, USSR),  
CONSTRUCTION, RAILROADS, ROADS, UNDERGROUND  
STRUCTURES, GROUND SUPPORT EQUIPMENT, PACKAGING, POWER  
SUPPLIES, PERIODICALS, ABSTRACTING (U)

THIS IS THE TWELFTH IN A SERIES OF REPORTS  
REVIEWING SOVIET LITERATURE ON GROUND SUPPORT  
EQUIPMENT. THIS REPORT IS BASED ON MATERIALS  
RECEIVED BETWEEN 29 DECEMBER 1963 AND 27 MARCH  
1964 AND CONTAINS MATERIALS RELEVANT TO TOPICS UNDER  
THE FOLLOWING FIELDS OF INTEREST: MISSILE DATA;  
FACILITIES; TRANSPORT; LAUNCH SITES; NATURAL  
ENVIRONMENT; PACKAGING AND STORAGE. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-461 201

AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH  
OFFICE

UNCONVENTIONAL WARFARE.

(U)

DESCRIPTIVE NOTE: BIBLIOGRAPHY SUPPLEMENT NO. 5,

JAN 65 34P CURRIER, NANCY I

REPT. NO. SORO-RM-65-1

UNCLASSIFIED REPORT

AVAILABILITY: MICROFICHE ONLY AFTER ORIGINAL COPIES

EXHAUSTED.

SUPPLEMENTARY NOTE: MICROFICHE ONLY AFTER ORIGINAL COPIES  
EXHAUSTED.

DESCRIPTORS: (•UNCONVENTIONAL WARFARE,  
BIBLIOGRAPHIES), (•BIBLIOGRAPHIES, UNCONVENTIONAL  
WARFARE), HISTORY, ABSTRACTING, TACTICAL WARFARE,  
STRATEGIC WARFARE, GUERRILLA WARFARE, COMMUNISTS,  
LOGISTICS, MILITARY INTELLIGENCE, TERRAIN, MILITARY  
STRATEGY, MILITARY TACTICS, REVIEWS, COUNTERINSURGENCE(U)

CONTENTS: FUNDAMENTAL ELEMENTS OF  
UNCONVENTIONAL WARFARE THEORY; STRATEGY;  
LEGALITY; ADMINISTRATIVE MATTERS;  
UNCONVENTIONAL WARFARE OPERATIONS; SEMI-  
CONVENTIONAL FORCES; HISTORICAL MODELS OF  
UNCONVENTIONAL WARFARE IN INSURGENCIES --  
PRE-WORLD WAR II EXPERIENCE; WORLD WAR  
II EXPERIENCE; POST-WORLD WAR II  
EXPERIENCE.

(U)



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AD-467 061

AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH  
OFFICE

PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY SUPPLEMENT NO.

5.

(U)

DESCRIPTIVE NOTE: RESEARCH MEMO.,

FEB 65 19P OWENS, GAIL I

REPT. NO. RM-65-14

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•PSYCHOLOGICAL WARFARE,  
BIBLIOGRAPHIES), (•BIBLIOGRAPHIES, PSYCHOLOGICAL  
WARFARE), OPERATIONS RESEARCH, PROPAGANDA,  
COMMUNISM, COMMUNICATION SYSTEMS, MILITARY  
INTELLIGENCE, POLITICAL SCIENCE

(U)

IDENTIFIERS: ABSTRACTS

(U)

PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-467 062

AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH  
OFFICE

PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY, SUPPLEMENT NO. (U)

6.

DESCRIPTIVE NOTE: RESEARCH MEMO.,

MAY 65 42P GOSIER, DENNIS I

REPT. NO. RM-65-6

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*PSYCHOLOGICAL WARFARE,  
BIBLIOGRAPHIES), (\*BIBLIOGRAPHIES, PSYCHOLOGICAL  
WARFARE), POLITICAL SCIENCE, COMMUNISM, MILITARY  
STRATEGY, PROPAGANDA, OPERATIONS RESEARCH,  
COMMUNICATION SYSTEMS, DISPLAY SYSTEMS (U)  
IDENTIFIERS: ABSTRACTS (U)

PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-467 544  
AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH  
OFFICE  
UNCONVENTIONAL WARFARE BIBLIOGRAPHY SUPPLEMENT NO. (U)

6.  
DESCRIPTIVE NOTE: RESEARCH MEMO.,  
APR 65 73P GARDNER, NANCY ANN I  
REPT. NO. RM-65-5

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•UNCONVENTIONAL WARFARE,  
BIBLIOGRAPHIES), (•BIBLIOGRAPHIES,  
UNCONVENTIONAL WARFARE), COUNTERINSURGENCY,  
GUERRILLA WARFARE, MILITARY STRATEGY, USSR,  
LOGISTICS, AFRICA, EUROPE, ASIA, MIDDLE  
EAST, SOUTH AMERICA, VIETNAM (U)

UNCONVENTIONAL WARFARE BIBLIOGRAPHY SUPPLEMENT NO. 6.

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-468 851

AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH  
OFFICE  
COUNTERINSURGENCY BIBLIOGRAPHY - SUPPLEMENT NO.

7.

(U)

DESCRIPTIVE NOTE; RESEARCH MEMO.,  
JUN 65 111P HUGHISUDDIN, MARGARET I  
REPT. NO. RM-65-7

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (COUNTERINSURGENCY,  
BIBLIOGRAPHIES), (BIBLIOGRAPHIES,  
COUNTERINSURGENCY), GUERRILLA WARFARE, MILITARY  
INTELLIGENCE, PSYCHOLOGICAL WARFARE, SOCIOLOGY,  
DEFENSE SYSTEMS, POLITICAL SCIENCE, ECONOMICS,  
CASUALTIES, HISTORY, LATIN AMERICA, EUROPE,  
ASIA, MIDDLE EAST, SOUTHEAST ASIA,  
VIETNAM, LOGISTICS, MILITARY TRAINING  
IDENTIFIERS: CIVIL DISORDER, ABSTRACTS

(U)

(U)

CONTENTS: AREAS OF INSTABILITY; THE NATURE  
OF INSURGENCY; COMMUNIST SUPPORT AND  
EXPLOITATION; POLITICAL POSTURE; MILITARY  
STRATEGY; RECRUITMENT AND TRAINING, COMMAND  
AND LEADERSHIP, TROOP MORALE AND DISCIPLINE;  
WORKING WITH INDIGENOUS FORCES; LOGISTICS;  
INTELLIGENCE AND COUNTERINTELLIGENCE; GENERAL  
SOCIO-ECONOMIC-POLITICAL MEASURES;  
PSYCHOLOGICAL OPERATIONS; RESETTLEMENT;  
INTIMIDATION, REPRESSION, TERRORISM, AND  
POLICE ACTIONS; ANTI-GUERILLA WARFARE;  
LEGALITY AND MORALITY; AND HISTORICAL MODELS  
OF COUNTERINSURGENCY.

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-473 881

AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH  
OFFICE

UNCONVENTIONAL WARFARE BIBLIOGRAPHY. SUPPLEMENT NO.

7.

(U)

DESCRIPTIVE NOTE: RESEARCH MEMO.,

JUL 65 63P CURRIER, NANCY I

REPT. NO. RM-65-8

CONTRACT: DA49 092AR07

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO SUPPLEMENT NO. 5, AD-461  
201.

DESCRIPTORS: (UNCONVENTIONAL WARFARE,  
BIBLIOGRAPHIES), TRINIDAD, PANAMA, HONDURAS,  
GUATEMALA, DOMINICAN REPUBLIC, OPERATIONS  
RESEARCH, COMMUNISTS, LOGISTICS, TRAINING,  
GUERRILLA WARFARE, TERRAIN, ALGERIA, ANGOLA,  
CONGO (LEOPOLDVILLE), UNION OF SOUTH AFRICA,  
BURMA, PERU, JAMAICA, HAITI, EL SALVADOR,  
INDONESIA, VIETNAM, LAOS, THAILAND,  
PHILIPPINES, MALAYA, NORTH KOREA, ARGENTINA,  
BRAZIL, COLOMBIA, CUBA

(U)

IDENTIFIERS: BOLIVIA, CAMEROON, MALAWI

(U)

UNCONVENTIONAL WARFARE BIBLIOGRAPHY. SUPPLEMENT NO. 7.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-473 882

AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH  
OFFICE

PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY - SUPPLEMENT

NO. 7.

(U)

DESCRIPTIVE NOTE: RESEARCH MEMO.,

AUG 65 40P GOSIER, DENNIS I

R Y. NO. RM-65-9

CONTRACT: DA49 092AR07

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO SUPPLEMENT NO. 1, AD-461  
201.

DESCRIPTORS: (•PSYCHOLOGICAL WARFARE,  
•BIBLIOGRAPHIES), APPLIED PSYCHOLOGY,  
PROPAGANDA, ARMED FORCES OPERATIONS, MILITARY  
PSYCHOLOGY, MILITARY STRATEGY, MILITARY TACTICS

(U)

CONTENTS: PSYOPS ORGANIZATION AND PERSONNEL;  
PSYCHO-POLITICAL WARFARE; MILITARY  
PSYCHOLOGICAL OPERATIONS; PSYOPS TECHNIQUES;  
MEDIA AND SUPPORT; PSYOPS ANALYSIS.

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 296

PREVENTION OF DETERIORATION CENTER NAS-NRC WASHINGTON D  
C

REFERENCES PERTAINING TO DYNAMIC ENVIRONMENTS DURING  
TRANSPORTATION, (U)

MAR 64 IV LEE, RICHARD W. H. I  
REPT. NO. 563 OC9, PDL46816

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (BIBLIOGRAPHIES, TRANSPORTATION),  
(TRANSPORTATION, BIBLIOGRAPHIES), SHOCK (MECHANICS),  
VIBRATION, VIBRATION ISOLATORS, PACKAGING (U)  
IDENTIFIERS: CUSHIONING (U)

THE BIBLIOGRAPHY LISTS 47 ITEMS ON THE ANALYSIS OF  
TRANSPORTATION ENVIRONMENTS AND PROTECTION OF  
MATERIALS IN TRANSIT. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-602 772

ARMY GENERAL EQUIPMENT TEST ACTIVITY FORT LEE VA  
ABSTRACT BIBLIOGRAPHY TECHNICAL REPORTS PUBLISHED  
FISCAL YEAR 1964.

(U)

SIP

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•BIBLIOGRAPHIES, ABSTRACTING), (•ARMY  
EQUIPMENT, TESTS), (•FOOD, TESTS), CLOTHING,  
LOGISTICS, RADIATION EFFECTS, REPORTS, CONTAINERS (U)

ABSTRACTS ARE GIVEN ON ENGINEERING TESTS OF  
EQUIPMENT IN GENERAL USE THROUGHOUT THE ARMY. (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY    SEARCH CONTROL NO. 000362

AD-604 572

AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH  
OFFICE

UNCONVENTIONAL WARFARE.

(U)

DESCRIPTIVE NOTE: BIBLIOGRAPHY SUPPLEMENT NO. 3,

JUL 64    56P    GARDNER, NANCY ANN I

REPT. NO. SORO-RM-64-10

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: OPERATING UNDER CONTRACT WITH THE  
DEPARTMENT OF THE ARMY.

DESCRIPTORS: (\*UNCONVENTIONAL WARFARE,  
BIBLIOGRAPHIES), (\*BIBLIOGRAPHIES, UNCONVENTIONAL  
WARFARE), MILITARY STRATEGY, MILITARY TACTICS,  
PSYCHOLOGICAL WARFARE, HISTORY, ABSTRACTING

(U)

CONTENTS: FUNDAMENTAL ELEMENTS OF UNCONVENTIONAL  
WARFARE (THEORY, STRATEGY, LEGALITY, ADMINISTRATIVE  
MATTERS, UNCONVENTIONAL WARFARE OPERATIONS, SEMI-  
CONVENTIONAL); HISTORICAL MODELS OF UNCONVENTIONAL  
WARFARE IN INSURGENCIES (PRE-WORLD WAR I  
EXPERIENCE, WORLD WAR I-1939 EXPERIENCES,  
WORLD WAR II EXPERIENCE, POST-WORLD WAR  
II EXPERIENCE).

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 767

AMERICAN UNIV WASHINGTON D C SPECIAL OPERATIONS RESEARCH  
OFFICE

COUNTERINSURGENCY BIBLIOGRAPHY SUPPLEMENT NO. 4, (U)

SEP 64 S&P HUGH SUDDIN, MARGARET I

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: OPERATING UNDER CONTRACT WITH THE  
DEPT. OF THE ARMY, SEE ALSO AD-433 158.

DESCRIPTORS: (COUNTERINSURGENCY, BIBLIOGRAPHIES),  
(BIBLIOGRAPHIES, COUNTERINSURGENCY), GUERRILLA  
WARFARE, MILITARY STRATEGY, FOREIGN POLICY, UNITED  
STATES GOVERNMENT, WARFARE, MODELS (SIMULATIONS),  
HISTORY, ABSTRACTING, MILITARY INTELLIGENCE,  
COUNTERMEASURES (U)

CONTENTS: THE INSURGENCY PROBLEM; UNITED  
STATES POSTURE; ADMINISTRATIVE MATTERS;  
INTELLIGENCE AND COUNTERINTELLIGENCE; POPULATION  
MANAGEMENT; ANTIGUERRILLA WARFARE; LEGALITY AND  
MORALITY; WORLD WAR II; AXIS  
COUNTERINSURGENCY; POST-WORLD WAR II CASES. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-608 380

OKLAHOMA UNIV RESEARCH INST NORMAN  
THE PSYCHOLOGICAL EFFECTS OF NON-NUCLEAR WEAPONS: A  
BIBLIOGRAPHY WITH SELECTED ABSTRACTS. VOLUME 1. (U)  
DESCRIPTIVE NOTE: TECHNICAL REPT.,  
AUG 64 88P PAGE, MONTE M. I  
GOFF, CLINTON I PALMER, J. D. I  
REPT. NO. OURI-TR-1419-4  
CONTRACT: AFOS 635 3693

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•WARFARE, REACTION (PSYCHOLOGY)),  
(•BIBLIOGRAPHIES, WARFARE), STRESS (PSYCHOLOGY),  
EMOTIONS, STRESS (PHYSIOLOGY), PSYCHOLOGICAL WARFARE,  
ABSTRACTING, SOCIOMETRICS, WEAPONS, WEAPON SYSTEMS,  
LIMITED WARFARE, PSYCHOMETRICS, CIVILIAN PERSONNEL (U)

PSYCHOLOGICAL EFFECTS OF NON-NUCLEAR WEAPONS: A  
BIBLIOGRAPHY WITH SELECTED ABSTRACTS, VOLUME 1.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-614 269

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
WRITING AND SUBMITTING THE SUCCESSFUL PROPOSAL. A  
SELECTIVE ANNOTATED BIBLIOGRAPHY, (U)

OCT 62 3P GRAZIANO, EUGENE E. I

REPT. NO. SB-62-52

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•PROCUREMENT, REPORTS), (•REPORTS,  
PREPARATION), ENGINEERING, BIBLIOGRAPHIES (U)  
IDENTIFIERS: PROPOSALS, TECHNICAL WRITING (U)

WRITING AND SUBMITTING THE SUCCESSFUL PROPOSAL. A  
SELECTIVE ANNOTATED BIBLIOGRAPHY.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-615 501

AUERBACH CORP PHILADELPHIA PA

DOD USER NEEDS STUDY, PHASE I, VOLUME 1.

(U)

DESCRIPTIVE NOTE: FINAL TECHNICAL REPT.,

MAY 65 176P

BERUL, LAWRENCE H. I

ELLING, MICHAEL E. IKARSON, ALLAN ISHAFRITZ, ARNOLD

B. ISIEBER, HARRY I

REPT. NO. 1151-TR-3

CONTRACT: SD219

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-601 259 AND AD-615  
502.

DESCRIPTORS: (\*DEPARTMENT OF DEFENSE, DOCUMENTATION),

(\*INFORMATION RETRIEVAL, DEPARTMENT OF DEFENSE),

(\*ENGINEERING PERSONNEL, INFORMATION RETRIEVAL),

(\*SCIENTIFIC PERSONNEL, INFORMATION RETRIEVAL),

BIBLIOGRAPHIES, PSYCHOMETRICS, SCIENTIFIC RESEARCH (U)

IDENTIFIERS: DEFENSE DOCUMENTATION CENTER,

INFORMATION CENTERS, INFORMATION SCIENCES, TECHNOLOGY (U)

AN INTERVIEW-BASED SURVEY OF THE DOD RDT AND E  
POPULATION WAS CONDUCTED TO DETERMINE HOW DOD  
SCIENTISTS AND ENGINEERS PRESENTLY ACQUIRE AND USE  
SCIENTIFIC AND TECHNICAL INFORMATION. DEPTH  
INTERVIEWS WERE CONDUCTED WITH 1375 RESPONDENTS  
RANDOMLY SELECTED FROM THE 36,000 MEMBERS OF THE DOD  
RDT AND E POPULATION. THE CRITICAL INCIDENT  
INTERVIEWING TECHNIQUE WAS USED TO ISOLATE A RECENTLY  
COMPLETED TASK, AND TO DEFINE THE CHARACTERISTICS  
(E.G., DEPTH, VOLUME, CLASS, TIMELINESS, FIELD  
MEDIA) OF THE INFORMATION ACQUIRED AND USED IN THE  
PERFORMANCE OF THAT TASK. A SEMI-STRUCTURED  
INTERVIEW GUIDE AND HANDBOOK WERE DEVELOPED AND USED  
TO ENSURE CONSISTENCY OF QUESTION INTERPRETATION.  
A DATA COMPILATION SYSTEM AND COMPUTER PROGRAMS  
WERE DEVELOPED TO COMPILE, ANALYZE, COMPRESS, AND  
PRESENT THE DATA. APPROXIMATELY 600 ONE-WAY, TWO-  
WAY AND THREE-WAY TABLES WERE PREPARED TO AID IN THE  
ANALYSIS. VOLUME 1 CONSISTS OF THREE SECTIONS  
ENTITLED: MANAGEMENT REPORT, CONDUCT OF  
STUDY, AND ANALYSIS OF DATA, PLUS FOUR  
APPENDICES ENTITLED: STUDY EXECUTION,  
DISCUSSION AND RESULTS OF SURVEY QUESTIONS,  
BIBLIOGRAPHY OF USER STUDIES, AND GLOSSARY.  
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-618 467

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

CBE FACTORS.

DESCRIPTIVE NOTE: ANNOTATED BIBLIOGRAPHY ON SURVEYS OF  
SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE. (U)

JUL 65 78P

REPT. NO. ATD-B-65-43 ,1

MONITOR: TT , 65-62674

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*BACTERIAL AEROSOLS,  
BIBLIOGRAPHIES), (\*CHEMOTHERAPEUTIC AGENTS,  
BIBLIOGRAPHIES), (\*AEROSOLS, BIBLIOGRAPHIES),  
(\*MICROBIOLOGY, BIBLIOGRAPHIES), TOXINS +  
ANTITOXINS, VACCINES, BRUCELLA, BACILLUS  
ANTHRACIS, CLOSTRIDIUM, PASTEURELLA,  
STAPHYLOCOCCUS, MYCOBACTERIUM TUBERCULOSIS,  
VIRUSES, DISEASES, CARDIAC GLYCOSIDES,  
HERBICIDES, RESPIRATORY DISEASES, PHARMACOLOGY,  
PENICILLINS, PSYCHOTROPIC AGENTS, ANTIBIOTICS,  
DOSAGE, CENTRAL NERVOUS SYSTEM, PHYSIOLOGY,  
PATHOLOGY, BIOCHEMISTRY, BIOLOGICAL STAINS,  
IMMUNITY, CHEMICAL WARFARE AGENTS, BIOLOGICAL  
WARFARE AGENTS, USSR

(U)

AEROSOLS, BIOLOGICAL PATHOGENS, AND CHEMICAL  
SUBSTANCES: ANNOTATED BIBLIOGRAPHY.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-621 644

ARMY LIBRARY WASHINGTON D C

UNITED STATES NATIONAL SECURITY.

(U)

DESCRIPTIVE NOTE: SPECIAL BIBLIOGRAPHY.

JUN 56 223P

REPT. NO. SB-7

MONITOR: TT ,

65-64025

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (NATIONAL DEFENSE, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, NATIONAL DEFENSE), COLD WAR,  
MILITARY STRATEGY, GOVERNMENT(FOREIGN),  
FOREIGN POLICY, POLITICAL SCIENCE, USSR, CHINA,  
GREAT BRITAIN, UNITED STATES, AERIAL  
WARFARE, NUCLEAR WARFARE, UNCONVENTIONAL WARFARE,  
PSYCHOLOGICAL WARFARE, DISARMAMENT

(U)

THIS STUDY IS INTENDED AS AN AID TO POLICY-MAKERS,  
PLANNERS, RESEARCHERS AND STUDENTS INVOLVED IN  
MATTERS PERTAINING TO THE NATIONAL SECURITY OF THE  
U. S. THIS PUBLICATION CONSISTS OF APPROXIMATELY  
1,000 UNCLASSIFIED TITLES OF MAGAZINE ARTICLES,  
REPORTS, BOOKS, AND OTHER MATERIALS IN THE HOLDINGS  
OF THE ARMY LIBRARY, AND COVERS A PERIOD OF TWO  
YEARS, FROM EARLY 1954 THROUGH MAY 1956. AS A  
FURTHER AID TO THE USER EACH TITLE IS FOLLOWED BY AN  
ABSTRACT. THIS BIBLIOGRAPHY HAS BEEN LIMITED TO  
LITERATURE DESCRIBING ONLY SOME OF THE COUNTRIES OF  
THE WORLD ALTHOUGH NATIONAL SECURITY INTERESTS OF THE  
U. S. AS A WORLD POWER ARE INVOLVED IN ALL THE  
AREAS OF THE GLOBE. AFRICA, AND LATIN AMERICA,  
FOR EXAMPLE, HAVE BEEN OMITTED BECAUSE OF SPACE AND  
TIME LIMITATIONS, AND IT IS ANTICIPATED THAT THESE  
AND OTHER AREAS WILL BE TREATED IN SUBSEQUENT  
STUDIES. BECAUSE THE SUBJECT OF GUIDED MISSILES,  
BOTH U. S. AND FOREIGN, HAS BEEN PRESENTED IN THE  
ARMY LIBRARY'S SPECIAL BIBLIOGRAPHY NO. 4,  
20 APRIL 56, REFERENCES TO GUIDED MISSILES HAVE  
BEEN EXCLUDED FROM THIS STUDY.

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-623 249

AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D

C

NUCLEAR WEAPONS EFFECTS; COMPILATION OF  
ABSTRACTS.

(U)

DESCRIPTIVE NOTE; REPT. NO. 1 ON AID WORK ASSIGNMENT NO.  
66.

MAY 64 22P

REPT. NO. AID-U-64-38

MONITOR: TT, 65-64460

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PRELIMINARY REPT. OF SOVIET OPEN  
SOURCES FOR THE PERIOD JAN 56-MAR 64. REPT. ON  
SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL  
LITERATURE.

DESCRIPTORS: (•NUCLEAR WEAPONS, EXPLOSION  
EFFECTS), (•EXPLOSION EFFECTS, REVIEWS), USSR,  
SHOCK WAVES, RADIATION DAMAGE, THERMAL RADIATION,  
HEAT TRANSFER, PLASMA MEDIUM, BIBLIOGRAPHIES

(U)

CONTENTS: STRUCTURE AND PARAMETERS OF STRONG  
SHOCK WAVES IN GASES; PARAMETERS OF STRONG SHOCK  
WAVES IN SOLIDS; PROPAGATION OF STRONG SHOCK WAVES;  
INTERACTION OF STRONG SHOCK WAVES WITH MATERIALS;  
NUCLEAR EXPLOSION EFFECTS; THE METEORITE ANALOGY;  
RADIATIVE HEAT TRANSFER.

(U)



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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-626 481 15/3 22/2 1/3 14/2  
RESEARCH AND TECHNOLOGY DIV AIR FORCE SYSTEMS COMMAND  
WASHINGTON D C  
BIBLIOGRAPHY OF TECHNICAL PRESENTATIONS AND  
PUBLICATIONS, JULY 1964-JULY 1965. (U)  
JUL 65 26P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*AIR FORCE SYSTEMS COMMAND,  
AIR FORCE RESEARCH), (\*AIR FORCE RESEARCH,  
BIBLIOGRAPHIES), SYSTEMS ENGINEERING, MILITARY  
PUBLICATIONS, AEROSPACE CRAFT, MATERIALS,  
ELECTRONICS, FUELS, LUBRICANTS, COATINGS,  
PROPELLANTS, FLIGHT CONTROL SYSTEMS, PROPULSION,  
WEAPON SYSTEMS, AERONAUTICS, DOCUMENTATION (U)

A SELECTED BIBLIOGRAPHY IS GIVEN OF THE  
PUBLICATIONS OF THE AIR FORCE LABORATORIES AND  
THE SYSTEMS ENGINEERING GROUP OF THE RESEARCH  
AND TECHNOLOGY DIVISION. THEY ARE PRESENTED  
ALPHABETICALLY BY TECHNICAL DOMAIN, BEGINNING WITH  
ADVANCED VEHICLE CONCEPT AND ENDING WITH WEAPONS AND  
MUNITIONS. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-630 118 15/5 5/1  
ARMY NATICK LABS MASS  
BIBLIOGRAPHY OF PUBLICATIONS AND TECHNICAL PAPERS FOR  
1963. (U)  
DESCRIPTIVE NOTE; TECHNICAL DEPT.  
MAY 64 32P  
REPT. NO. NL-1.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (ARMY RESEARCH; BIBLIOGRAPHIES),  
ARMY EQUIPMENT; CLOTHING; GEOPHYSICS, FOOD,  
MECHANICAL ENGINEERING, MANAGEMENT PLANNING,  
ORGANIC MATERIALS, CONTAINERS (U)

THE RESEARCH IS DIVIDED ACCORDING TO THE FOLLOWING  
ORIGINATING GROUPS: OFFICE OF THE COMMANDING  
GENERAL, OFFICE OF SCIENTIFIC DIRECTOR,  
PLANS OFFICE, AIR DELIVERY EQUIPMENT  
DIVISION, CLOTHING AND ORGANIC MATERIALS  
DIVISION, CONTAINER DIVISION, EARTH  
SCIENCES DIVISION, FOOD DIVISION,  
MECHANICAL ENGINEERING DIVISION, PIONEERING  
RESEARCH DIVISION. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-630 132 15/5 5/1  
ARMY NATICK LABS MASS  
BIBLIOGRAPHY OF PUBLICATIONS AND TECHNICAL PAPERS FOR  
1964. (U)  
DESCRIPTIVE NOTE: TECHNICAL REPT.  
MAY 65 47P  
REPT. NO. NL-2.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (ARMY RESEARCH, BIBLIOGRAPHIES),  
AIR DROP OPERATIONS, MANAGEMENT PLANNING,  
CLOTHING, ORGANIC MATERIALS, CONTAINERS,  
GEOPHYSICS, FOOD, MECHANICAL ENGINEERING (U)

THE RESEARCH IS DIVIDED ACCORDING TO THE FOLLOWING  
ORIGINATING GROUPS: OFFICE OF THE COMMANDING  
GENERAL, OFFICE OF SCIENTIFIC DIRECTOR,  
PLANS OFFICE, AIRDROP ENGINEERING DIVISION,  
CLOTHING AND ORGANIC MATERIALS DIVISION,  
CONTAINER DIVISION, EARTH SCIENCES  
DIVISION, FOOD DIVISION, MECHANICAL  
ENGINEERING DIVISION, PIONEERING RESEARCH  
DIVISION. (U)

UNCLASSIFIED

000362

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-630 774 15/7  
SPECIAL OPERATIONS RESEARCH OFFICE WASHINGTON D C  
COUNTERINSURGENCY INFORMATION ANALYSIS CENTER  
BIBLIOGRAPHY ON COUNTERINSURGENCY, UNCONVENTIONAL  
WARFARE, AND PSYCHOLOGICAL OPERATIONS: SUPPLEMENT  
NO. 8, (U)  
FEB 60 99P CURRIER, NANCY IGOSIER, DENNIS  
IBERRY, HEIDI I  
CONTRACT: DA-49-092-ARQ-7,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (+COUNTERINSURGENCY,  
BIBLIOGRAPHIES), (+BIBLIOGRAPHIES,  
COUNTERINSURGENCY), (+UNCONVENTIONAL WARFARE,  
BIBLIOGRAPHIES), (+PSYCHOLOGICAL WARFARE,  
BIBLIOGRAPHIES) (U)

THIS IS A BIBLIOGRAPHY OF UNCLASSIFIED, ENGLISH-  
LANGUAGE BOOKS AND ARTICLES ON COUNTERINSURGENCY,  
UNCONVENTIONAL WARFARE, AND PSYCHOLOGICAL OPERATIONS.  
WITHIN EACH OF THESE SUBJECTS THE ENTRIES ARE  
CATEGORIZED AND CROSS-REFERENCED BY SPECIFIC PROBLEM  
AND AREA, AND INDEXED BY AUTHOR AND TITLE.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-633 520 15/7

SPECIAL OPERATIONS RESEARCH OFFICE AMERICAN UNIV  
WASHINGTON D C

ANNOTATED BIBLIOGRAPHY OF SORO PUBLICATIONS. (U)

FEB 66 JOP

CONTRACT: DA-49-092-ARO-7,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*COUNTERINSURGENCY,  
BIBLIOGRAPHIES), (\*ARMED FORCES OPERATIONS,  
BIBLIOGRAPHIES), PSYCHOLOGICAL WARFARE,  
UNCONVENTIONAL WARFARE, POLITICAL SCIENCE,  
SOCIAL SCIENCES, GOVERNMENT(FOREIGN),  
DOCUMENTATION, TECHNICAL INFORMATION CENTERS (U)

AN ANNOTATED LISTING IS PRESENTED OF ALL SORO  
PUBLICATIONS THROUGH DECEMBER 1965, DIVIDED INTO  
THREE MAIN SECTIONS: SOCIAL SCIENCE RESEARCH,  
FOREIGN AREA STUDIES, AND RAPID RESPONSE  
INFORMATION AND ANALYSIS. THE BIBLIOGRAPHY IS  
INDEXED BY AUTHOR AND BY COUNTRY OR AREA.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-634 139 15/4 5/4 5/3 8/6

DEPARTMENT OF THE ARMY WASHINGTON D C  
COMMUNIST CHINA: A STRATEGIC SURVEY. A  
BIBLIOGRAPHY.

(U)

FEB 66 149P  
REPT. NO. DA-PAM-20-67.

UNCLASSIFIED REPORT

AVAILABILITY: SUPERINTENDENT OF DOCUMENTS, GPO,  
WASHINGTON, D. C. 20402, HCS2.25, AS D-101.22120-  
67.

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*CHINA, THREAT EVALUATION),  
(\*POLITICAL SCIENCE, CHINA), (\*SOCIOLOGY,  
CHINA), (\*MILITARY STRATEGY, CHINA),  
ABSTRACTS, COMMUNISM, FOREIGN POLICY,  
GEOGRAPHY, BIBLIOGRAPHIES, MAPS

(U)

THIS UNCLASSIFIED BIBLIOGRAPHY WAS PREPARED BY  
DIRECTION OF THE CHIEF OF STAFF, UNITED  
STATES ARMY. IT UPDATES DA PAM 20-61  
PUBLISHED IN JANUARY 1962 UNDER THE TITLE,  
COMMUNIST CHINA: RUTHLESS ENEMY OR PAPER TIGER.  
LIKE ITS PREDECESSOR, THE CURRENT VOLUME PROBES INTO  
THE ECONOMIC, SOCIOLOGICAL, MILITARY, AND POLITICAL  
FABRIC OF COMMUNIST CHINA AND ILLUMINATES THIS  
NEW EMERGING IMAGE. THE MORE THAN 650 ABSTRACTED  
ITEMS INCLUDED IN THIS SURVEY WERE SELECTED FROM  
SEVERAL THOUSAND BOOKS, MAGAZINE ARTICLES, STUDIES,  
AND DOCUMENTS, AVAILABLE ON THE OPEN SHELVES OF THE  
ARMY LIBRARY, THE ADJUTANT GENERAL'S  
OFFICE. THESE HAVE BEEN SO ARRANGED INTERNALLY,  
AS TO LEND THEMSELVES MORE EASILY USEFUL, BY THOSE  
WHO ARE CHARGED WITH THE RESPONSIBILITY OF PLANNING  
AND MAKING POLICY. THE APPENDED MAPS, CHARTS, AND  
DATA HAVE BEEN INCLUDED IN SUPPORT OF THE INFORMATION  
IN THE MAIN PART OF THE BIBLIOGRAPHY. THE  
SELECTIVE PROCESS DID NOT INCLUDE THE SEPARATION OF  
MATERIALS WHICH ARE OBVIOUSLY FRIENDLY TO COMMUNIST  
CHINA, THE PREMISE BEING THAT IT WILL SERVE THE  
NEEDS OF U. S. BETTER IF THE READER SEES THE  
PICTURE FROM BOTH SIDES OF THE BAMBOO CURTAIN.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-636 551 15/7 12/2  
MILITARY ACADEMY WEST POINT N Y DEPT OF ELECTRICITY  
A BIBLIOGRAPHY OF SEARCH THEORY AND RECONNAISSANCE  
THEORY LITERATURE. (U)  
JUN 66 27P ENSLOW JR, PHILIP H. I

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PUB. IN NAVAL RESEARCH LOGISTICS  
QUARTERLY V13 N2, NAVSO-P-1278 P177-202 JUN 1966.

DESCRIPTORS: (.BIBLIOGRAPHIES, \*SEARCH THEORY),  
(\*AERIAL RECONNAISSANCE, BIBLIOGRAPHIES), GAME  
THEORY, OPERATIONS RESEARCH (U)

THIS BIBLIOGRAPHY CONSISTS OF 75 ITEMS ON SEARCH  
THEORY AND RECONNAISSANCE THEORY FOUND IN PERIODICALS  
AND TECHNICAL REPORTS. EACH ENTRY INCLUDES A SHORT  
SUMMARY OR A QUOTATION FROM THE PERTINENT ABSTRACT.  
THE ITEMS ARE CLASSIFIED INTO ONE OR MORE OF THE  
FOLLOWING CATEGORIES: (1) GENERAL DISCUSSION OF  
PROBLEMS; (2) ALLOCATION OF EFFORT; (3)  
GAME THEORY FORMULATIONS; (4) GEOMETRIC  
SEARCH PATTERNS; (5) MEASURES OF  
PERFORMANCE AND (6) MISCELLANEOUS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY    SEARCH CONTROL NO. 000362

AD-640 206            15/3  
FEDERAL AVIATION AGENCY WASHINGTON D C  
DEFENSE READINESS: SELECTED REFERENCES.  
MAR 64    42P  
REPT. NO. BIBLIOGRAPHIC LIST-11,

(U)

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CIVIL DEFENSE SYSTEMS,  
BIBLIOGRAPHIES), CIVIL DEFENSE PERSONNEL,  
TRAINING, FALLOUT SHELTERS, COMMUNICATION  
SYSTEMS, TRANSPORTATION, PUBLIC HEALTH,  
PSYCHOLOGY, MEDICINE, RADIOLOGICAL  
CONTAMINATION, RADIATION MONITORS,  
DECONTAMINATION, CIVIL AVIATION, SURVIVAL,  
AGRICULTURE, INDUSTRIES

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-642 321 15/7 5/4  
AMERICAN UNIV WASHINGTON D C CENTER FOR RESEARCH IN  
SOCIAL SYSTEMS  
BIBLIOGRAPHY ON COUNTERINSURGENCY, UNCONVENTIONAL  
WARFARE, AND PSYCHOLOGICAL OPERATIONS. SUPPLEMENT  
NO. 9, (U)  
MAY 66 133P CURRIER, NANCY IGOSIER, DENNIS  
IBERRY, HEIDI I  
CONTRACT: DA-49-092-ARO-7

UNCLASSIFIED REPORT

DESCRIPTORS: (\*COUNTERINSURGENCY,  
BIBLIOGRAPHIES), (\*UNCONVENTIONAL WARFARE,  
BIBLIOGRAPHIES), (\*PSYCHOLOGICAL WARFARE,  
BIBLIOGRAPHIES), COMMUNISTS, MILITARY STRATEGY,  
POLITICAL SCIENCE, LOGISTICS,  
GOVERNMENT(FOREIGN), MILITARY INTELLIGENCE,  
POPULATION, CIVILIAN PERSONNEL, MILITARY  
PERSONNEL, GUERRILLA WARFARE, LAW, HISTORY,  
WARFARE, AFRICA, ASIA, EUROPE, LATIN  
AMERICA, MIDDLE EAST, NORTH AMERICA (U)

CONTENTS: FUNDAMENTAL ELEMENTS OF  
COUNTERINSURGENCY; HISTORICAL MODELS OF  
COUNTERINSURGENCY; FUNDAMENTAL ELEMENTS OF  
PSYCHOLOGICAL OPERATIONS; HISTORICAL MODELS OF  
PSYCHOLOGICAL OPERATIONS; FUNDAMENTAL ELEMENTS OF  
UNCONVENTIONAL WARFARE; HISTORICAL MODELS OF  
UNCONVENTIONAL WARFARE. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-642 362 15/7 5/4  
AMERICAN UNIV WASHINGTON D C CENTER FOR RESEARCH IN  
SOCIAL SYSTEMS  
CINFAC BIBLIOGRAPHIC REVIEW. SUPPLEMENT NO. 10,  
AUGUST, 1966, (U)  
OCT 66 164P CURRIER, NANCY IGOSIER, DENNIS  
IBERRY, HEIDI IBITTICK, MARGARET I  
CONTRACT: DA-49-092-ARO-7

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-642 321.

DESCRIPTORS: (COUNTERINSURGENCY,  
BIBLIOGRAPHIES), (UNCONVENTIONAL WARFARE,  
BIBLIOGRAPHIES), (PSYCHOLOGICAL WARFARE,  
BIBLIOGRAPHIES), SOCIAL PSYCHOLOGY, POLITICAL  
SCIENCE, ECONOMICS, GUERRILLA WARFARE, MILITARY  
INTELLIGENCE, CIVILIAN PERSONNEL, MILITARY  
PERSONNEL, HISTORY, ASIA, EUROPE, LATIN  
AMERICA, MIDDLE EAST, WARFARE, MILITARY  
PSYCHOLOGY, LOGISTICS (U)

CONTENTS: COUNTERINSURGENCY; PSYCHOLOGICAL  
OPERATIONS; UNCONVENTIONAL WARFARE; SOCIO-  
ECONOMIC-POLITICAL BACKGROUND FACTORS;  
REVIEWS; BIBLIOGRAPHIC ESSAY. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-647 887 15/7 5/4  
AMERICAN UNIV WASHINGTON D C CENTER FOR RESEARCH IN  
SOCIAL SYSTEMS  
CINFAC BIBLIOGRAPHIC REVIEW: SUPPLEMENT NO. 11, (U)  
NOV 66 95P CURRIER, NANCY IGOSIER, DENNIS  
M. BERRY, HEIDI; MORSE, JANET;  
BITTICK, MARGARET;  
CONTRACT: DA-49-092-ARO-7

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-642 362.

DESCRIPTORS: (COUNTERINSURGENCY,  
BIBLIOGRAPHIES), (PSYCHOLOGICAL WARFARE,  
BIBLIOGRAPHIES), (UNCONVENTIONAL WARFARE,  
BIBLIOGRAPHIES), SOCIOLOGY, POLITICAL SCIENCE,  
LEADERSHIP, GUERRILLA WARFARE, INSURGENCY,  
PROPAGANDA, HISTORY, REVIEWS, INDEXES (U)

A BIBLIOGRAPHY IS PRESENTED OF UNCLASSIFIED  
ENGLISH-LANGUAGE BOOKS AND ARTICLES ON  
COUNTERINSURGENCY, UNCONVENTIONAL WARFARE,  
PSYCHOLOGICAL OPERATIONS, AND SOCIO-ECONOMIC-  
POLITICAL BACKGROUND FACTORS. WITHIN EACH OF THESE  
SUBJECT AREAS THE ENTRIES ARE CATEGORIZED AND CROSS-  
REFERENCED BY SPECIFIC PROBLEM AND AREA AND INDEXED  
BY AUTHOR AND TITLE. IT ALSO INCLUDES BOOK REVIEWS  
AND A BIBLIOGRAPHIC ESSAY ON THESE SUBJECTS.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-648 508 15/7  
AMERICAN UNIV WASHINGTON D C CENTER FOR RESEARCH IN  
SOCIAL SYSTEMS  
A SELECTED BIBLIOGRAPHY ON URBAN INSURGENCY AND URBAN  
UNREST IN LATIN AMERICA AND OTHER AREAS, (U)  
DEC 66 49P FALLAH, SKAIDRIE MALIKS ;  
REPT. NO. CRESS/CINFAC-R-0603  
CONTRACT: DA-49-092-ARO-7

UNCLASSIFIED REPORT

DESCRIPTORS: (INSURGENCY, URBAN AREAS),  
(LATIN AMERICA, INSURGENCY),  
BIBLIOGRAPHIES, POLITICAL SCIENCE, ECONOMICS (U)

SELECTED SOURCES ARE INCLUDED ON URBAN INSURGENCY  
AND URBAN UNREST IN LATIN AMERICA AND OTHER  
AREAS. SOURCES INCLUDE MATERIAL ON CONDITIONS  
CONDUCTIVE TO URBAN UNREST AND ON THE RELATIONSHIP  
BETWEEN RAPID URBANIZATION AND THE POTENTIAL FOR  
URBAN UNREST. SOURCES CITED CONSIST OF  
BIBLIOGRAPHIES, DOCUMENTS, BOOKS, MONOGRAPHS, AND  
ARTICLES. WHEREVER DATA WERE READILY AVAILABLE,  
THE SOURCES WERE ANNOTATED. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-654 795 15/7 5/4  
AMERICAN UNIV WASHINGTON D C CENTER FOR RESEARCH IN  
SOCIAL SYSTEMS  
CIVFAC BIBLIOGRAPHIC REVIEW SUPPLEMENT NO. 12, (U)  
FEB 67 139P CURRIER, NANCY BERRY, HEIDI I  
HORSE, JANET I  
CONTRACT: DA-49-092-ARO-7

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-647 887.

DESCRIPTORS: (COUNTERINSURGENCY,  
BIBLIOGRAPHIES), (PSYCHOLOGICAL WARFARE,  
BIBLIOGRAPHIES), (UNCONVENTIONAL WARFARE,  
BIBLIOGRAPHIES), SOCIOLOGY, POLITICAL SCIENCE,  
LEADERSHIP, GUERRILLA WARFARE, INSURGENCY,  
PROPAGANDA, HISTORY, REVIEWS, INDEXES (U)

A BIBLIOGRAPHY IS PRESENTED OF UNCLASSIFIED  
ENGLISH-LANGUAGE BOOKS AND ARTICLES ON  
COUNTERINSURGENCY, UNCONVENTIONAL WARFARE,  
PSYCHOLOGICAL OPERATIONS, AND SOCIOECONOMIC-POLITICAL  
BACKGROUND FACTORS. WITHIN EACH OF THESE SUBJECT  
AREAS THE ENTRIES ARE CATEGORIZED AND CROSS-  
REFERENCED BY SPECIFIC PROBLEM AND AREA AND INDEXED  
BY AUTHOR AND TITLE. IT ALSO INCLUDES BOOK REVIEWS  
AND A BIBLIOGRAPHIC ESSAY ON THESE SUBJECTS.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-656 465 15/7 5/4  
AMERICAN UNIV WASHINGTON D C CENTER FOR RESEARCH IN  
SOCIAL SYSTEMS  
CINFAC BIBLIOGRAPHIC REVIEW: SUPPLEMENT NO. 13, (U)  
MAY 67 110P CURRIER, NANCY IBERRY, HEIDI I  
HORSE, JANET IBITTICK, MARGARET I  
CONTRACT: DA-49-092-ARO-7

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-654 795.

DESCRIPTORS: (COUNTERINSURGENCY,  
BIBLIOGRAPHIES), (PSYCHOLOGICAL WARFARE,  
BIBLIOGRAPHIES), (UNCONVENTIONAL WARFARE,  
BIBLIOGRAPHIES), SOCIOLOGY, POLITICAL SCIENCE,  
LEADERSHIP, GUERRILLA WARFARE, INSURGENCY,  
PROPAGANDA, HISTORY, REVIEWS, INDEXES (U)

THE REPORT CONSISTS OF A BIBLIOGRAPHY OF  
UNCLASSIFIED ENGLISH-LANGUAGE BOOKS AND ARTICLES ON  
COUNTERINSURGENCY, UNCONVENTIONAL WARFARE,  
PSYCHOLOGICAL OPERATIONS, AND SOCIAL, ECONOMIC, AND  
POLITICAL BACKGROUND FACTORS. WITHIN EACH OF THESE  
SUBJECT AREAS THE ENTRIES ARE CATEGORIZED AND CROSS-  
REFERENCED BY SPECIFIC PROBLEM AND AREA AND INDEXED  
BY AUTHOR AND TITLE. THE BIBLIOGRAPHY ALSO  
INCLUDES BOOK REVIEWS AND A BIBLIOGRAPHIC ESSAY ON  
THESE SUBJECTS. (AUTHOR) (U)

## MISSILE TECHNOLOGY

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-419 588

ARMY MISSILE COMMAND REDSTONE ARSENAL ALA  
LIST OF TECHNICAL DOISHED DURING THE YEARS 1958  
THROUGH 1962.

(U)

APR 63 178P

UNCLASSIFIED REPORT

DESCRIPTORS: (\*BIBLIOGRAPHIES, GUIDED MIS  
SILES), (\*GUIDED MISSILES, BIBLIOGRAPHIES),  
GUIDED MISSILES (SURFACE TO SURFACE), ROCKET  
MOTORS, ANTITANK AMMUNITION, ROCKET MOTORS  
(LIQUID PROPELLANT), ROCKET MOTORS (SOLID  
PROPELLANT), LAUNCH VEHICLES (AEROSPACE),  
GUIDED MISSILE WARHEADS, INDEXES.

(U)

IDENTIFIERS: 1963, JUPITER, ATLAS, REDSTONE,  
PERSHING, SATURN, SERGEANT.

(U)

A BIBLIOGRAPHY OF TECHNICAL DOCUMENTS LISTS TITLES  
OF REPORTS PUBLISHED FROM 1958 THROUGH 1962 BY THE  
PRESENT ARMY MISSILE COMMAND (AMICOM), WHICH  
INCLUDES THE ACTIVITIES OF THE ARMY ROCKET AND  
GUIDED MISSILE AGENCY (ARGMA) AND THE ARMY  
BALLISTIC MISSILE AGENCY (ABMA). THE  
BIBLIOGRAPHY WAS COMPILED FROM LIBRARY RECORDS AND  
RESPONSES TO REQUESTS FOR DOCUMENT LISTINGS FROM THE  
RE SEARCH AND DEVELOPMENT ORGANIZATIONS OF THE  
COMMAND, AND MAKES NO PRETENSE OF BEING A COMPLETE  
COVERAGE. DUE TO PROPRIETARY INFORMATION  
RESTRICTIONS, THE FORMATION AND LATER CONSOLIDATION  
OF ABMA AND ARGMA, AND THE FORMATION OF NASA'S  
MARSHALL SPACE FLIGHT CENTER, MANY REPORTS  
WERE NEVER ENTERED OR RECORDED IN THE LIBRARY. FOR  
EXAMPLE, IT IS KNOWN THERE WERE APPROXIMATELY 35  
REPORTS IN THE 4RF SERIES WHICH WERE EVALUATIONS OF  
MAJOR INDUSTRIAL TECHNICAL PROPOSALS WHICH DO NOT  
APPEAR IN THIS PUBLISHED LISTING. UNDOUBTEDLY,  
MANY REPORTS WRITTEN BY PERSONS WHO HAVE LEFT THE  
COMMAND WERE LIKEWISE NOT ENTERED IN THE LIBRARY  
AND WERE NOT INCLUDED IN THE SOLICITED SUBMISSIONS.  
(AUTHOR)

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-426 021

DEPARTMENT OF THE ARMY WASHINGTON D C  
MISSILES AND VENTURES INTO SPACE PROGRESS REPORT.  
1962-1963.

(U)

DESCRIPTIVE NOTE: REPT. MAY 62-MAY 63.

OCT 63 123P

MONITOR: DA PAM70 5 11

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: ALSO AVAILABLE FROM GOVERNMENT  
PRINTING OFFICE, WASHINGTON, D. C., PRICE \$ .70.

DESCRIPTORS: (\*GUIDED MISSILES, BIBLIOGRAPHIES),  
(\*SPACECRAFT, BIBLIOGRAPHIES), (\*BIBLIOGRAPHIES,  
ASTRONAUTICS), ROCKETS, SATELLITES (ARTIFICIAL), SPACE  
PROBES, POLITICAL SCIENCE, ROCKET PROPULSION, SPACE  
ENVIRONMENT CONDITIONS, EXPLORATION, WARFARE, SPACE  
PROPULSION, ARMED FORCES (FOREIGN), SPACE STATIONS,  
GUIDED MISSILES (SURFACE-TO-SURFACE), SPACE FLIGHT (U)  
IDENTIFIERS: 1963, USSR, CUBA (U)

CONTENTS: TRENDS IN THE NATIONAL EFFORT,  
MISSILE/ SPACE PROJECTS AND PROGRAMS: NASA;  
ACTIVITIES AND PROGRAMS, ARMED FORCES;  
MISSILE SITES, BASES, RANGES, AND  
FACILITIES: OTHER FREE NATIONS-MISSILE AND  
SPACE EFFORTS: USSR: TRENDS AND DEVELOPMENTS  
IN MISSILES, ROCKETS, AND SPACE VEHICLES;  
SPACE EXPLORATION: NEW VISTAS: SPACE AS A  
BATTLEFIELD: ARMS CONTROL AND DISARMAMENT  
ASPECTS: CONGRESSIONAL HEARINGS AND  
DOCUMENTS: SOURCE MATERIALS AND REFERENCE  
WORKS: THE POLITICO-MILITARY ASPECTS OF  
SOVIET MISSILES IN THE CUBAN CRISIS,  
RUSSIA'S MISSILES, SPACE BOOSTERS, SPACE  
VEHICLES, SATELLITES CARRYING EQUIPMENT FOR  
METEOROLOGICAL OBSERVATIONS: SPACE RACE TIMETABLE  
FOR THE COSMIC SIXTIES: THE INTERNATIONAL SPACE  
RACE: UNITED STATES SPACE AND MISSILE  
PROGRAMS: FUNCTIONAL ORGANIZATION OF THE  
FEDERAL GOVERNMENT-CHART. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-450 187

HERCULES POWDER CO MAGNA UTAH

BIBLIOGRAPHY REPORT, WEAPON SYSTEM 133A.

(U)

DESCRIPTIVE NOTE: FINAL REPT.

OCT 64 IV

REPT. NO. MCS2 9B

CONTRACT: AF04 647 243

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SUPERSEDES REPORTS DATED JAN 61,  
AD 269 2281 AND 16 SEP 63, AD 424 942.

DESCRIPTORS: (\*GUIDED MISSILES (SURFACE-TO-SURFACE),  
BIBLIOGRAPHIES), (\*BIBLIOGRAPHIES, GUIDED MISSILES  
(SURFACE-TO-SURFACE)), ROCKET MOTORS (SOLID  
PROPELLANT), ROCKET PROPELLANT GRAINS, DESIGN,  
MANUFACTURING METHODS, MANAGEMENT ENGINEERING, SYSTEMS  
ENGINEERING, ROCKET MOTOR NOZZLES, ROCKET CASES,  
QUALITY CONTROL, TESTS, TRANSPORTATION, HANDLING,  
SPECIFICATIONS

(U)

THIS BIBLIOGRAPHY IS DIVIDED INTO FIVE PARTS:  
PART 1, MINUTEMAN TECHNICAL OPERATING  
REPORTS; PART 2, MINUTEMAN TECHNICAL  
INFORMATION REPORTS; PART 3, MINUTEMAN  
CONTRACT STATUS REPORTS; PART 4, MINUTEMAN  
TECHNICAL DOCUMENTARY REPORTS; AND PART 5,  
MODEL AND GENERAL SPECIFICATIONS. EACH PART  
IS DIVIDED INTO SECTIONS BY KINDS OF REPORTS.  
(AUTHOR)

(U)

NAVIGATION, COMMUNICATIONS, DETECTION,

AND COUNTERMEASURES

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000342

AD-412 427

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

UNDERGROUND COMMUNICATIONS. ANNOTATED BIBLIOGRAPHY  
OF SOVIET-BLOC LITERATURE FOR THE PERIOD 1960-  
1962. (U)

JUL 63 19P

REPT. NO. D-63-99

UNCLASSIFIED REPORT

DESCRIPTORS: (BIBLIOGRAPHIES, GEOPHYSICS),  
(GEOPHYSICS, GEOPHYSICAL PROSPECTING), ELEC  
TROMAGNETIC FIELDS, TERRAIN, THEORY, TERRESTRIAL  
MAGNETISM, RESISTANCE (ELECTRICAL), ELECTRIC  
CURRENT. (U)

IDENTIFIERS: 1963, USSR, TELLURIC CURRENT  
METHOD. (U)

THIS ANNOTATED BIBLIOGRAPHY HAS BEEN PREPARED IN  
RESPONSE TO AID WORK ASSIGNMENT NO. 37, TASK  
4. THE BIBLIOGRAPHY COVERS THE PERIOD FROM  
JANUARY 1960 TO DECEMBER 1962. THE MATERIALS  
ARE DIVIDED INTO THREE GROUPS, EACH CONTAINING  
INFORMATION PUBLISHED DURING ONE PARTICULAR YEAR.  
WITHIN EACH GROUP THE MATERIALS ARE PRESENTED  
ALPHABETICALLY ACCORDING TO THE AUTHOR'S NAME.  
INFORMATION NOT DIRECTLY RELATED TO THE ASSIGNED  
SUBJECT HAS BEEN INCLUDED BECAUSE OF ITS BROAD  
IMPLICATIONS FOR STUDY IN THIS FIELD. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-424 026

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

TRACKING OF MISSILES AND SPACE VEHICLES. COMPILATION  
OF ABSTRACTS. (U)

NOV 63 23P

MONITOR: AIC P63 110

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•TRACKING, BIBLIOGRAPHIES),  
(•BIBLIOGRAPHIES, TRACKING), (•RADIO ASTRONOMY,  
BIBLIOGRAPHIES), RADAR TRACKING, IONOSPHERIC  
PROPAGATION, IONOSPHERIC DISTURBANCES, MOON, RADIO  
FIELDS, RADIO TRANSMISSION, RADIO WAVES,  
EXTRATERRESTRIAL RADIO WAVES, ELECTRON DENSITY,  
SATELLITES (ARTIFICIAL), RADAR REFLECTIONS, DOPPLER  
EFFECT, GAS IONIZATION, VENUS, MERCURY (PLANET),  
JUPITER (U)

IDENTIFIERS: 1963, USSR, JUPITER (U)

THIS TWENTIETH REPORT IN A SERIES REVIEWING  
SOVIET DEVELOPMENTS IN TRACKING MISSILES AND SPACE  
VEHICLES IS BASED ON SOURCE MATERIALS RECEIVED AT THE  
AEROSPACE INFORMATION DIVISION FROM JANUARY  
1963 THROUGH MAY 1963. INFORMATION NOT DIRECTLY  
RELATED TO THE ASSIGNED SUBJECT HAS BEEN INCLUDED  
BECAUSE OF ITS BROAD IMPLICATIONS FOR STUDY IN THIS  
FIELD. TOPICS COVERED IN THIS REPORT ARE (1)  
ION CLOUDS AND IONOSPHERE PERTURBATIONS AND (2)  
RADIO ASTRONOMY. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-429 301

GENERAL MOTORS CORP MILWAUKEE WIS AC SPARK PLUG DIV  
INERTIAL GUIDANCE SYSTEM PROGRAM 624A - TITAN  
III.

(U)

SP

REPT. NO. 63 212 109  
CONTRACT: AFO4 695 282

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (BIBLIOGRAPHIES, INERTIAL (GUIDANCE)),  
(INERTIAL GUIDANCE, BIBLIOGRAPHIES), CONFIGURATION,  
MAINTAINABILITY, RELIABILITY, LAUNCH VEHICLES  
(AEROSPACE), ERRORS, WEIGHT, LOGISTICS,  
INSTRUMENTATION, BOOSTER MOTORS

(U)

IDENTIFIERS: 1963, TITAN III

(U)

INERTIAL GUIDANCE SYSTEM PROGRAM 624A-TITAN IIII  
BIBLIOGRAPHY REPORT.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-430 520

ARACON GEOPHYSICS CO CONCORD MASS  
WEATHER RADAR RESEARCH AND STORM DYNAMICS.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,

DEC 63 45P WEXLER, RAYMOND I

REPT. NO. F9186 3

CONTRACT: AF19 628 292

PROJ: 6672

TASK: 667203

MONITOR: AFCL 64 202

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*METEOROLOGICAL RADAR, STORMS),  
(\*WEATHER FORECASTING, METEOROLOGICAL RADAR),  
(\*STORMS, BIBLIOGRAPHIES), TORNADOES, CYCLONES,  
METEOROLOGY, ATMOSPHERIC PRECIPITATION, RAINFALL,  
WIND, TROPICAL CYCLONES, HAIL

(U)

IDENTIFIERS: 1963, HURRICANE ESTHER

(U)

THE FOLLOWING TOPICS ARE DISCUSSED: RADAR  
ANALYSIS OF HURRICANE ESTHER 1961, CROSSING  
ANGLES IN HURRICANE BANDS, AND ORIGIN OF A  
TORNADO'S ROTATION. A COMPLETE LIST OF OTHER  
REPORTS WITH ABSTRACTS, PUBLISHED IN CONNECTION WITH  
THIS RESEARCH, IS INCLUDED.

(U)

UNCLASSIFIED

DGC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-460 105

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

VLF COMMUNICATIONS. ANNOTATED BIBLIOGRAPHY. (U)

DESCRIPTIVE NOTE: SURVEYS OF SOVIET-BLOC SCIENTIFIC  
AND TECHNICAL LITERATURE.

AUG 64 3P

REPT. NO. ATD-U-64-94

TASK: 27

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•BIBLIOGRAPHIES, VERY LOW FREQUENCY),  
(•VERY LOW FREQUENCY, BIBLIOGRAPHIES), USSR,  
IONOSPHERIC PROPAGATION, ATTENUATION, REFRACTION,  
ELECTROMAGNETIC WAVES (U)

VLF COMMUNICATION - ANNOTATED BIBLIOGRAPHY.



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-462 686

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF

SOLAR NAVIGATION.

(U)

DESCRIPTIVE NOTE: SPECIAL BIBLIOGRAPHY,

SEP 59 9P CARROLL, K. D. I

REF. NO. SB-59-47

UNCLASSIFIED REPORT

DISTRIBUTION: MICROFICHE ONLY AFTER ORIGINAL COPIES  
EXHAUSTED.

SUPPLEMENTARY NOTE:

DESCRIPTORS: (SPACE NAVIGATION, BIBLIOGRAPHIES),  
(BIBLIOGRAPHIES, SPACE NAVIGATION), CELESTIAL  
NAVIGATION, CELESTIAL GUIDANCE, MIDCOURSE GUIDANCE,  
SPACECRAFT

(U)

IDENTIFIERS: SOLAR NAVIGATION

(U)

SOLAR NAVIGATION. BIBLIOGRAPHY.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-470 441

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

TRACKING OF MISSILES AND SPACE VEHICLES. COMPILATION  
OF ABSTRACTS. (U)

DESCRIPTIVE NOTE: SURVEYS OF SOVIET-BLOC SCIENTIFIC  
AND TECHNICAL LITERATURE, NOV 64-MAR 65.

SEP 65 46P

REPT. NO. ATD-P-65-51, 24

UNCLASSIFIED REPORT

DESCRIPTORS: (\*TRACKING, GUIDED MISSILES),  
(\*BIBLIOGRAPHIES, TRACKING), (\*SPACECRAFT,  
TRACKING), IONIZATION, IONOSPHERIC  
DISTURBANCES, USSR, ELECTRON DENSITY,  
DIFFUSION, ELECTRIC FIELDS, PLASMA MEDIUM,  
METEORS, RADIO SIGNALS, SATEL  
LITES(ARTIFICIAL), MAGNETIC FIELDS, SHOCK  
WAVES, SOLAR RADIATION, COSMIC RAYS,  
STRATOSPHERE, MICROWAVES, INSTRUMENTATION,  
RADIO ASTRONOMY, ANTENNAS, CAMERAS, SPACE  
PROBES, CHARGED PARTICLES,  
BEAMS(ELECTROMAGNETIC), MASERS, LASERS,  
RUBY

(U)

CONTENTS: ION CLOUDS AND IONOSPHERIC  
PERTURBATIONS; RADIO ASTRONOMY -- RADIO  
EMISSION AND ANTENNAS; LASERS AND MASERS;  
BIBLIOGRAPHY.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 421

NATIONAL CASH REGISTER CO DAYTON OHIO  
SIMULATION AND EVALUATION OF PHONETIC SPEECH  
RECOGNITION TECHNIQUES. VOL. IV. AN INDEXED  
BIBLIOGRAPHY ON SPEECH ANALYSIS, SYNTHESIS, AND  
PROCESSING.

(U)

DESCRIPTIVE NOTE: FINAL REPT.

APR 64 105P OTTEN, KLAUS W. I

REPT. NO. 11 IF21V

CONTRACT: AF33 657 9205 , PROJ.

PROJ: TASK

MONITOR: RTD

TDR63 4005 V4

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•SPEECH RECOGNITION, SIMULATION),  
(•BIBLIOGRAPHIES, SPEECH), SPEECH REPRESENTATION,  
COMMUNICATION THEORY, ANALYSIS, SYNTHESIS, INDEXES (U)

THE REPORT, AN INDEXED BIBLIOGRAPHY ON SPEECH  
ANALYSIS, SYNTHESIS, AND PROCESSING, WAS PREPARED IN  
CONNECTION WITH A LITERATURE SEARCH REQUIRED FOR AN  
APPLIED RESEARCH PROGRAM ON AUTOMATIC SPEECH  
RECOGNITION. THE BIBLIOGRAPHY LISTS PUBLICATIONS  
CONCERNED WITH SPEECH ANALYSIS, SYNTHESIS, AND  
PROCESSING WHICH APPEARED PRIOR TO JANUARY 1964.  
THE BIBLIOGRAPHY, THOUGH PERHAPS NOT ABSOLUTELY  
COMPLETE, LISTS MORE THAN 1000 PUBLICATIONS.  
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-615 936

CENTRAL RADIO PROPAGATION LAB NATIONAL BUREAU OF STANDARDS  
BOULDER COLO

BIBLIOGRAPHY ON TROPOSPHERIC PROPAGATION OF RADIO  
WAVES, (U)

APR 65 346P NUPEN, WILHELM I  
REPT. NO. TN-304

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH  
AMERICAN METEOROLOGICAL SOCIETY, WASHINGTON, D. C.

DESCRIPTORS: (\*BIBLIOGRAPHIES, RADIO WAVES),  
(\*RADIO WAVES, PROPAGATION), (\*TROPOSPHERE,  
PROPAGATION), RADIOFREQUENCY, ELECTROMAGNETIC  
WAVES (U)

THIS BIBLIOGRAPHY CONTAINS OVER A THOUSAND  
ABSTRACTS OR TITLES TAKEN FROM THE LITERATURE  
PUBLISHED BETWEEN 1945 AND 1964, INCL., BUT THE BULK  
OF THE LITERATURE COMES AFTER 1955. THE SUBJECT  
MATTER IS CONFINED TO THE EFFECTS OF THE EARTH'S  
ATMOSPHERE ON RADIOFREQUENCY RADIATION FROM 10 CPS TO  
100,000 MC. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-626 405 17/10 8/11 18/3  
GEOTECH DIV TELEDYNE INDUSTRIES INC GARLAND TEX  
BIBLIOGRAPHY OF ARRAY LITERATURE. (U)  
DESCRIPTIVE NOTE; TECHNICAL REPT.  
NOV 65 52P  
REPT. NO. TR-65-114  
CONTRACT: AF33(657)-12145  
PROJ: AFTAC-VT/4051

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SUPPORTED IN PART BY ARPA.

DESCRIPTORS: (SEISMOMETERS, SITE SELECTION),  
(NUCLEAR EXPLOSIONS, UNDERGROUND EXPLOSIONS),  
(UNDERGROUND EXPLOSIONS, SEISMOLOGY),  
(SEISMOLOGY, BIBLIOGRAPHIES), SEISMIC WAVES,  
MONITORS, ACOUSTICS, RADIO EQUIPMENT, ANTENNA  
ARRAYS, SONAR EQUIPMENT, DATA PROCESSING  
SYSTEMS, EXPERIMENTAL DATA, ABSTRACTS (U)  
IDENTIFIERS: VELA-UNIFORM (U)

A BIBLIOGRAPHY OF AVAILABLE LITERATURE ON ARRAY  
TECHNOLOGY HAS BEEN COMPILED, EMBRACING THE  
DISCIPLINES OF SEISMOLOGY, ACOUSTICS, AND RADIO.  
OVER ONE HUNDRED ARTICLES FROM VARIOUS SCIENTIFIC  
JOURNALS ARE LISTED. MOST OF THE ARTICLES ARE  
ABSTRACTED AND ARE GROUPED ACCORDING TO A MAJOR  
CATEGORY, FIELD OF APPLICATION, AND A  
SUBCATEGORY, CHARACTER OF CONTENT. THE  
MAJORITY OF THE ARTICLES WERE PUBLISHED DURING THE  
PERIOD 1955-1956. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-642 763 17/2 5/7 9/4  
MICHIGAN UNIV ANN ARBOR  
RESEARCH ON SPEECH COMMUNICATION AND AUTOMATIC SPEECH  
RECOGNITION. (U)  
DESCRIPTIVE NOTE: FINAL REPT. 15 JAN-31 JUL 66,  
AUG 66 22P PETERSON, GORDON E. I  
SHOUP, JUNE E. I  
CONTRACT: AF-AFOSR-595-66  
PROJ: AF-9769  
TASK: 976902  
MONITOR: AFOSR 66-2692

UNCLASSIFIED REPORT

DESCRIPTORS: (SPEECH RECOGNITION, AUTOMATIC),  
SPEECH, COMMUNICATION SYSTEMS, LANGUAGE,  
LINGUISTICS, PHONETICS, GRAMMARS, SYNTAX,  
INFORMATION THEORY, ACOUSTICS, ENGLISH LANGUAGE,  
BIBLIOGRAPHIES (U)

THE REPORT REVIEWS FOUR MAJOR AREAS OF RESEARCH. THE FIRST AREA IS CONCERNED WITH THE THEORY OF PHONOLOGY WHICH HAS INCLUDED THE DEVELOPMENT OF PHYSIOLOGICAL AND ACOUSTIC PHONETIC THEORIES, AND WORK ON A FORMAL THEORY OF PHONEMICS. THE SECOND AREA IS CONCERNED WITH THE LINGUISTIC INTERPRETATION OF THE SPEECH WAVE. IT IS SUGGESTED THAT IT IS MORE REALISTIC TO ATTEMPT TO INTERPRET THE SPEECH WAVE TYPES AND THE ACOUSTICAL PARAMETERS OF SPEECH ACCORDING TO SETS OF PHONE TYPES RATHER THAN DIRECTLY AS PHONEMES. THE THIRD AREA OF INVESTIGATION IS CONCERNED WITH THE PHONOLOGICAL DESCRIPTION OF LANGUAGES, PARTICULARLY MIDWESTERN AMERICAN ENGLISH. SUCH A DESCRIPTION INCLUDES A STATEMENT OF THE PHONEMES AND THEIR ASSOCIATED ALLOPHONES, A STATEMENT OF THE PHONE TYPE ENVIRONMENTS OF THE VARIOUS ALLOPHONES, AND A STATEMENT OF THE ALLOWABLE PHONEME SEQUENCES. THE FOURTH AREA OF INVESTIGATION CONCERNS LEXICAL PROCEDURES IN AUTOMATIC SPEECH RECOGNITION. THE REPORT INCLUDES SUMMARIES OF RECENT PUBLICATIONS UNDER THE GRANT AND A BIBLIOGRAPHY OF ARTICLES AND REPORTS WHICH HAVE BEEN PUBLISHED BY THE COMMUNICATION SCIENCES LABORATORY UNDER THE SPONSORSHIP OF THE DIRECTORATE OF INFORMATION SCIENCES.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-644 417 17/7 1/2  
LOCKHEED-GEORGIA CO MARIETTA  
PLAN FOR THE DEVELOPMENT OF ALL WEATHER LANDING  
SYSTEM RELIABILITY ANALYSIS AND CRITERIA, PHASE  
I, (U)  
JAN 66 117P ADKINS, L. A. ISCHILLER, L. D. I  
THATRO, M. C. I  
REPT. NO. ER-8316  
CONTRACT: FA-1376  
PROJ: FAA-320-207-01N  
MONITOR: FAA-RD 66-2

UNCLASSIFIED REPORT

DESCRIPTORS: (AIR TRAFFIC CONTROL SYSTEMS,  
RELIABILITY), LANDINGS, SYSTEMS ENGINEERING,  
AVIATION SAFETY, INSTRUMENT LANDINGS, HUMAN  
ENGINEERING, BIBLIOGRAPHIES (U)

THE REPORT OUTLINES THE BASIC PLAN AND APPROACH  
WHICH WILL BE USED FOR GENERATION OF AN AWLS  
ASSESSMENT CRITERIA AND EVALUATION METHODOLOGY.  
THE CRITERIA AND METHODOLOGY TO BE FORMULATED WILL  
BE FOR APPLICATION ON THE CATEGORY III AWLS  
GROUND-BASED SYSTEM, WHICH WILL BE PHASE II OF  
THE STUDY PROGRAM, AND FOR THE AIRBORNE PORTIONS OF  
THE SYSTEM, WHICH WILL BE TREATED IN PHASE III OF  
THE PROGRAM. OF PARTICULAR SIGNIFICANCE IS THE  
CONSIDERATION OF SAFETY, RELIABILITY, AND TOTAL  
PERFORMANCE EVALUATION. THE PHASE I REPORT  
PRESENTS A COMPLETE BIBLIOGRAPHY ON AWLS  
TECHNOLOGY. IN ADDITION, TREATMENT IS PRESENTED  
ON THE APPLICATIONS OF RELIABILITY, HUMAN FACTORS,  
SAFETY, QUANTIFICATION, AND TOTAL PERFORMANCE FOR THE  
EVALUATION OF ALL WEATHER LANDING SYSTEMS.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-645 074 17/2 5/10  
ARMY MEDICAL RESEARCH LAB FORT KNOX KY  
SPEAKER RECOGNITION, SPEECH CHARACTERISTICS, SPEECH  
EVALUATION, AND MODIFICATION OF SPEECH SIGNAL. A  
SELECTED BIBLIOGRAPHY, (U)  
OCT 65 15P HOLMGREN, GARY L. 1  
PROJ: DA-3A014501A740  
MONITOR: USAMRL 692

UNCLASSIFIED REPORT  
AVAILABILITY: PUBLISHED IN IEEE TRANSACTIONS ON  
AUDIO AND ELECTROACOUSTICS VOU-14 N1 P32-39 MAR  
1966.

DESCRIPTORS: (SPEECH RECOGNITION,  
BIBLIOGRAPHIES), (VOICE COMMUNICATION SYSTEMS,  
SPEECH RECOGNITION), SPEECH TRANSMISSION,  
ANALYSIS, INTELLIGIBILITY, SPEECH,  
PSYCHOACOUSTICS, PSYCHOPHYSIOLOGY, MASKING,  
PHONETICS, LINGUISTICS, SYNTHESIS, VOCODERS (U)

THE PAPER REPRESENTS AN EFFORT TO UPDATE AND EXPAND  
AN EARLIER PAPER, 'SPEECH ANALYSIS, SYNTHESIS,  
AND PROCESSING--A SELECTED BIBLIOGRAPHY,'  
PREPARED AND PUBLISHED BY THIS AUTHOR AT TEXAS  
INSTRUMENTS, INC., DALLAS, TEXAS, 1963.  
SELECTIONS INCLUDED IN THIS PAPER PROVIDE THE  
RESEARCHER WITH A FAIRLY EXTENSIVE AND REPRESENTATIVE  
PRESENTATION OF RELEVANT SOURCE MATERIAL IN THE AREAS  
TO WHICH THE TITLE REFERS. (AUTHOR) (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-647 888 17/9 17/8 16/2 22/3  
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV  
TRACKING OF MISSILES AND SPACE VEHICLES. (U)  
DESCRIPTIVE NOTE: REPT. NO. 12 ON WORK ASSIGNMENT NO. 12,  
DEC 66 90P HIBBEN,STUART I  
REPT. NO. ATD-66-140  
MONITOR: TT 67-61162

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: COMPILATION OF ABSTRACTS BASED ON  
SOVIET, SATELLITE, AND CHICOM OPEN SOURCES PUB. 1965-  
66. REPT. ON SURVEYS OF FOREIGN SCIENTIFIC AND  
TECHNICAL LITERATURE.

DESCRIPTORS: (•GUIDED MISSILE TRACKING SYSTEMS,  
REVIEWS), (•SPACE SURVEILLANCE SYSTEMS,  
REVIEWS), SATELLITE TRACKING SYSTEMS, RADIO  
ASTRONOMY, SPACE COMMUNICATION SYSTEMS, LASERS,  
COMPUTERS, ANTENNAS, SPACE NAVIGATION,  
ABSTRACTS, BIBLIOGRAPHIES, USSR, EASTERN  
EUROPE, CHINA (U)

THE 81 ABSTRACTS ARE ARRANGED ALPHABETICALLY BY  
AUTHOR WITHIN THE FOLLOWING CATEGORIES: (1)  
TRACKING FACILITIES AND INSTITUTIONS (3  
ENTRIES); (2) TRACKING EQUIPMENT AND  
TECHNIQUES (14 ENTRIES); (3) PRECISION  
BASELINE ESTABLISHMENT (3 ENTRIES); (4)  
SLANT RANGE AND RANGE RATE MEASUREMENT (1  
ENTRY); (5) ANGLE AND ANGULAR RATE  
MEASUREMENT (4 ENTRIES); (6) ABSOLUTE TIME  
MEASUREMENT (2 ENTRIES); (7) FREQUENCY  
MEASUREMENT AND STANDARDS (7 ENTRIES); (8)  
RELATIVE TIME OR DELAY TIME MEASUREMENT (6  
ENTRIES); (9) VELOCITY OF LIGHT  
DETERMINATION (2 ENTRIES); (10) RADIO  
ASTRONOMY (15 ENTRIES); (11)  
TECHNOLOGICAL ADVANCES (24 ENTRIES). A  
BIBLIOGRAPHY COMPRISING 81 ENTRIES IS PRESENTED AT  
THE END OF THE REPORT. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-651 308 17/2 9/4 5/2  
REDSTONE SCIENTIFIC INFORMATION CENTER REDSTONE ARSENAL  
ALA  
STUDIES OF RANDOM NOISE: AN ANNOTATED  
BIBLIOGRAPHY, (U)  
DEC 66 SIP ECKSTEIN, HERBERT P. I  
REPT. NO. RSIC-619

UNCLASSIFIED REPORT

DESCRIPTORS: (\*NOISE, \*BIBLIOGRAPHIES),  
INFORMATION THEORY, COMMUNICATION EQUIPMENT,  
NOISE(RADIO), SIGNALS, LIMITERS,  
RADIOFREQUENCY INTERFERENCE, CORRELATORS,  
STATISTICAL ANALYSIS, INDEXES (U)

THE BIBLIOGRAPHY CONTAINS A SELECTION OF PAPERS,  
MOST OF THEM ANNOTATED, ON NOISE AND THE EFFECTS OF  
NOISE ON SIGNALS. CONSEQUENTLY, SEVERAL SURVEYS OF  
INFORMATION THEORY AND PAPERS DEALING WITH  
INTERDEPENDENT ASPECTS ARE INCLUDED. SOURCES OF  
THE CONTEMPLATED NOISE WERE EITHER ENVIRONMENTAL OR  
INHERENT IN THE EQUIPMENT, WHICH INCLUDES EFFECTS OF  
BOTH THE ATMOSPHERE AND OTHER TRANSMITTERS.  
ACCORDINGLY, SEVERAL STUDIES INCLUDE NON-GAUSSIAN  
AS WELL AS GAUSSIAN NOISE. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-800 110 17/3

SOUTHWEST RESEARCH INST SAN ANTONIO TEX  
ABSTRACTS OF THE AVAILABLE LITERATURE ON RADIO  
DIRECTION FINDING 1899-1965, (U)

JUL 66 487P TRAVERS, DOUGLAS N. I

HIXON, STUART M. I

CONTRACT: NOBSR-64585, NOBSR-85086

TASK: 21

UNCLASSIFIED REPORT

DESCRIPTORS: (\*DIRECTION FINDING, \*ABSTRACTS),  
(\*RADIO EQUIPMENT, DIRECTION FINDING),  
(\*BIBLIOGRAPHIES, DIRECTION FINDING), INDEXES (U)

ABSTRACTS OF ALL AVAILABLE DOCUMENTS AND LITERATURE, OTHER THAN PATENTS, ON RADIO DIRECTION FINDING AND CLOSELY RELATED SUBJECTS HAVE BEEN COLLECTED OVER A TEN-YEAR PERIOD BY THE RADIO DIRECTION FINDING RESEARCH STAFF OF SOUTHWEST RESEARCH INSTITUTE. THE COLLECTION IS PRESENTED IN CHRONOLOGICAL ORDER AND INCLUDES MATERIAL FROM FORMAL JOURNALS, TECHNICAL REPORTS, MAGAZINES, BOOKS, TRADE PUBLICATIONS, AND OTHER SOURCES. NO DIRECTION FINDING MATERIAL HAS BEEN PURPOSELY OMITTED EXCEPT WHERE IT HAS NOT BEEN POSSIBLE TO OBTAIN DECLASSIFICATION OF TITLES. A DETAILED SUBJECT INDEX, AN AUTHOR INDEX, AND A LIST OF SOURCES ARE PROVIDED. SEVERAL WELL-KNOWN EXISTING BIBLIOGRAPHIES AND ABSTRACT COLLECTIONS WERE USED AS AN INITIAL BASIS, ALTHOUGH NO INTERVAL BETWEEN 1899 AND DECEMBER 1965 WAS EXCLUDED FROM SEARCH BECAUSE OF PREVIOUS SEARCHES AND PUBLICATIONS. SUCH RESEARCHING WAS NECESSARY BECAUSE OF THE TREND IN RECENT YEARS FOR RADIO DIRECTION FINDING DEVELOPMENTS TO DEPEND INCREASINLY ON INFORMATION IN FIELDS WHICH AT AN EARLY DATE SEEMED UNRELATED TO THE SUBJECT. THE POSSIBILITY OF OMISSIONS FOR THE MOST RECENT YEARS IS RECOGNIZED, PARTICULARLY SINCE 1960. READERS ARE INVITED TO CALL OMISSIONS TO THE ATTENTION OF THE AUTHORS FOR PUBLICATION OF A REVISED COLLECTION AT A LATER TIME. (AUTHOR) (U)

**NUCLEAR SCIENCE AND TECHNOLOGY**

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-405 134

BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS  
INFORMATION CENTER

MONTHLY ACCESSION LIST. ABSTRACTS, PART 1. (U)

APR 63 42P

MONITOR: REIC AL 62

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: \*RADIATION EFFECTS, MATERIALS,  
BIBLIOGRAPHIES, ABSTRACTS (U)

ABSTRACTS OF PAPERS ON RADIATION EFFECTS INDEXED BY THE  
RADIATION EFFECTS INFORMATION CENTER DURING MARCH  
1963, PART 1.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-406 070

BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS  
INFORMATION CENTER

MONTHLY ACCESSION LIST. ABSTRACTS. PART 1. (U)

DESCRIPTIVE NOTE; REPT. FOR 1-30 APR 63.

MAY 63 56P

REPT. NO. AL63

CONTRACT: AF33 657 10085

PROJ: PROJS. 7381 ,7634

UNCLASSIFIED REPORT

DESCRIPTORS: (\*BIBLIOGRAPHIES), (\*MATERIALS),

(\*CERAMIC MATERIALS), ORGANIC MATERIALS,

PROPELLANTS, SPACE ENVIRONMENTAL CONDITIONS,

METALS, ELECTRONIC EQUIPMENT, TEXTILES,

RADIATION DAMAGE (U)

ABSTRACT BIBLIOGRAPHY OF RADIATION DAMAGE ON MATERIALS.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-411 944

BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS  
INFORMATION CENTER

MONTHLY ACCESSION LIST 65. ABSTRACTS. PART

1.

(U)

DESCRIPTIVE NOTE: REPT. FOR 1-30 JUNE 63.

JUL 63 30P

REPT. NO: ACCESSION LIST 65

CONTRACT: AF33 657 10085

PROJ: 7381 ,7634

TASK: 738103

UNCLASSIFIED REPORT

DESCRIPTORS: (RADIATION EFFECTS, ABSTRACTS),  
RADIATION DAMAGE, BIBLIOGRAPHIES, METALS,  
SPACE ENVIRONMENTAL CONDITIONS, CERAMIC  
MATERIALS, POLYMERS, TEST EQUIPMENT, TEST  
METHODS, TEST FACILITIES, ORGANIC MATERIALS,  
MATERIALS, ELECTRONIC EQUIPMENT, INDEXES.

(U)

IDENTIFIERS: 1963.

(U)

MONTHLY ACCESSIONS LIST INCLUDING ABSTRACTS OF THE  
RADIATION EFFECTS INFORMATION CENTER: JULY 15,  
1963.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-417 681

BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS  
INFORMATION CENTER

MONTHLY ACCESSION LIST. ABSTRACTS. PART 1. (U)

DESCRIPTIVE NOTE; REPT. FOR 1-30 SEP 63.

OCT 63 48P

REPT. NO. REIC ASCENSIONS LIST NO. 68

CONTRACT: AF33 657 10085

PROJ: PROJS 7381 ,7634

TASK: 738103

UNCLASSIFIED REPORT

DESCRIPTORS: (BIBLIOGRAPHIES, RADIATION  
DAMAGE), (RADIATION DAMAGE, BIBLIOGRAPHIES),  
METALS; ALLOYS, CERAMIC MATERIALS, POLYMERS,  
INORGANIC COMPOUNDS, ORGANIC MATERIALS,  
ELECTRONIC EQUIPMENT, ELECTRONICS, SPACE EN  
VIRONMENTAL CONDITIONS, ABSTRACTS, ELASTOMERS,  
PLASTICS. (U)

IDENTIFIERS: 1963. (U)

ABSTRACTS OF ACCESSIONS DURING SEPTEMBER 1963 BY THE  
RADIATION EFFECTS INFORMATION CENTER.



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-420 596

NAVAL CIVIL ENGINEERING LAB PORT HUENEME CALIF  
NAVAL ISOTOPE APPLICATIONS: A SELECTED  
BIBLIOGRAPHY,

(U)

AUG 63

73P

SEABOLD, R. H. IJACOVITCH, J.

REPT. NO. NCEL-TN-533

UNCLASSIFIED REPORT

DESCRIPTORS: (\*RADIOACTIVE ISOTOPES, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, RADIOACTIVE ISOTOPES), (\*NAVAL  
RESEARCH, RADIOACTIVE ISOTOPES), CIVIL ENGINEERING,  
CONSTRUCTION, ENGINEERING

(U)

IDENTIFIERS: 1963

(U)

THE OBJECTIVES OF THIS TASK ARE TO ADAPT AND  
DEVELOP RADIOISOTOPE APPLICATIONS FOR USE IN THE  
NAVAL SHORE ESTABLISHMENT. IN COMPILING THIS  
BIBLIOGRAPHY, APPLICATIONS WERE SOUGHT WHICH MIGHT  
REDUCE COSTS, IMPROVE EFFICIENCY AND QUALITY CONTROL,  
AND OPEN NEW FIELDS FOR THE NAVAL SHORE  
ESTABLISHMENT WITH ITS LARGE INDUSTRIAL COMPLEXES  
AND FLEET SUPPORT FACILITIES. THIS LITERATURE  
SEARCH WAS CONDUCTED TO DETERMINE CURRENT  
RADIOISOTOPE APPLICATIONS IN INDUSTRY AND TO  
DETERMINE WHICH ARE MOST APPLICABLE FOR NAVY USE.  
ONLY APPLICATIONS FOR THE AREAS OF RESPONSIBILITY  
OF THE BUREAU OF YARDS AND DOCKS ARE INCLUDED.  
EMPHASIS IS PLACED ON POSSIBLE RADIOISOTOPE USES  
FOR NAVAL CIVIL ENGINEERING IN CONSTRUCTION, FACILITY  
AND EQUIPMENT MAINTENANCE, HARBOR ENGINEERING,  
ENGINEERING SURVEYS, AND ENGINEERING RESEARCH. THE  
APPLICATIONS OF RADIOISOTOPES AS HEAT SOURCES ARE NOT  
INCLUDED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-426 797

BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS  
INFORMATION CENTER

MONTHLY ACCESSION LIST. ABSTRACT NO. 21254 TO  
21301, PART 1.

(U)

DESCRIPTIVE NOTE: REPT. FOR 1-31 DEC 63.

JAN 64 19P

REPT. NO. AL70

CONTRACT: AF33 615 1124

UNCLASSIFIED REPORT

DESCRIPTORS: (•ABSTRACTS, RADIATION DAMAGE),  
(•RADIATION DAMAGE, ABSTRACTS), MATERIALS,  
METALS, CERAMIC MATERIALS, ORGANIC MATERIALS,  
BIBLIOGRAPHIES, POLYMERS, ELECTRONIC EQUIPMENT,  
SPACE ENVIRONMENTAL CONDITIONS.

(U)

IDENTIFIERS: 1964.

(U)

MONTHLY ACCESSION LIST OF THE RADIATION EFFECTS  
INFORMATION CENTER.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-429 407

BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS  
INFORMATION CENTER

MONTHLY ACCESSION LIST 71, ABSTRACT NO. 21404 TO  
21455, PART I.

(U)

DESCRIPTIVE NOTE, REPT. FOR 1-3; JAN 64.

FEB 64 20P

REPT. NO. 71

CONTRACT: AF33 615 1124

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*RADIATION EFFECTS, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, RADIATION EFFECTS),  
(\*BIBLIOGRAPHIES, MATERIALS), ELECTRONICS, CERAMIC  
MATERIALS, METALLIC TEXTILES, POLYMER, INORGANIC  
COMPOUNDS, ORGANIC MATERIALS, SPACE ENVIRONMENTAL  
CONDITIONS, TEST EQUIPMENT, TEST METHODS

(U)

BIBLIOGRAPHY OF RADIATION EFFECTS INFORMATION CENTER.  
MONTHLY ACCESSION LIST 71, ABSTRACT NO. 21404-TO-21455.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-432 663

BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS  
INFORMATION CENTER

MONTHLY ACCESSION LIST COORDINATE INDEX PART II.

DESCRIPTIVE NOTE: REPT. FOR 1 OCT 63-29 FEB 64.

MAR 64 12P

(U)

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*INDEXES, REPORTS), (\*SUBJECT INDEXING,  
REPORTS), (\*RADIATION EFFECTS, BIBLIOGRAPHIES),  
DOSIMETERS, ELECTROMAGNETIC WAVES, ENVIRONMENTAL  
TESTS, MATERIALS, MECHANICAL PROPERTIES, SOURCES,  
SPACE FLIGHT

(U)

IDENTIFIERS: PARTICULATE RADIATION

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-443 451

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
THE FUNDAMENTAL EFFECTS OF RADIATION AND 'HOT ATOMS'  
ON SIMPLE COMPOUNDS; AN ANNOTATED BIBLIOGRAPHY. (U)  
DESCRIPTIVE NOTE; REPT. FOR 1947-JAN 63.,  
APR 63 328P PIERCE, CHARLIE M. ;  
GLASS, RICHARD A. ;  
REPT. NO. 8 19 63 9 , SB63 37  
CONTRACT: AFO4 647 787

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*RADIATION DAMAGE, BIBLIOGRAPHIES),  
(\*CHEMICAL COMPOUNDS, DEGRADATION), (\*BIBLIOGRAPHIES,  
RADIATION EFFECTS), SOLUTIONS, HALOGEN COMPOUNDS,  
ABSTRACTS (U)  
IDENTIFIERS: HOT ATOMS (U)

REFERENCES WHICH ARE RELATED TO THE EFFECTS OF 'HOT  
ATOMS' AND RADIATION ON SIMPLE COMPOUNDS AND AQUEOUS  
SOLUTIONS ARE LISTED. PARTICULAR ATTENTION WAS  
GIVEN TO THE SELECTION OF REFERENCES WHICH INVOLVE  
THE HALOGEN COMPOUNDS. THE REFERENCES ARE ARRANGED  
ACCORDING TO THE FIRST AUTHOR. INDEXES OF  
CORPORATE AUTHOR, PERSONAL AUTHOR AND  
SUBJECT ARE INCLUDED. THE PERIOD OF COVERAGE  
DATES FROM 1947 TO JANUARY 1963. SEARCH  
COMPLETED FEBRUARY 1963. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-459 964

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

RADIATION DAMAGE IN SOLIDS. COMPILATION OF  
ABSTRACTS.

(U)

DESCRIPTIVE NOTE: SURVEYS OF SOVIEY-BLOC SCIENTIFIC  
AND TECHNICAL LITERATURE.

MAY 64 90P

REPT. NO. AID-U-64-43

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*SEMICONDUCTORS, RADIATION DAMAGE),  
(\*SOLID STATE PHYSICS, BIBLIOGRAPHIES), USSR, THEORY,  
GERMANIUM, SILICON, CADMIUM COMPOUNDS, INDIUM  
COMPOUNDS, CRYSTALS, HALIDES, TITANATES, ABSTRACTING,  
POLYMERS, GLASS, MAGNESIUM, ZINC, SELENIDES, SULFIDES,  
ANTIMONY ALLOYS, DIELECTRIC PROPERTIES (U)

THIS IS A COMPILATION OF SCIENTIFIC PAPERS ON THE  
SUBJECT OF RADIATION DAMAGE IN SOLIDS PUBLISHED IN  
THE PERIODICAL FIZIKA TYERDOGO TELA (SOLID  
STATE PHYSICS), DURING THE PERIOD FROM  
JANUARY 1961 TO NOVEMBER 1963. THE REPORT IS  
DIVIDED INTO FOUR SECTIONS: SEMICONDUCTORS, SILICON,  
GERMANIUM, CADMIUM SULFIDE, AND CADMIUM SELENIDE AND  
INDIUM ANTIMONIDE, IONIC CRYSTALS (EXCLUDING  
SEMICONDUCTORS) ALKALI HALIDES, AND MAGNESIUM AND  
ZINC TITANATES; OTHER MATERIALS (COVALENT  
SUBSTANCES INCLUDING POLYMERS, GLASSES, ROCHELLE  
SALT...); AND PURELY THEORETICAL SUBJECTS.  
WITHIN EACH SECTION OR SUBSECTION THE PAPERS ARE  
ARRANGED CHRONOLOGICALLY STARTING WITH THE EARLIEST  
PUBLISHED ARTICLES. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-460 705

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

THE BIOLOGICAL EFFECTS OF ELECTROMAGNETIC  
FIELDS.

(U)

DESCRIPTIVE NOTE; ANNOTATED BIBLIOGRAPHY 1933-1964 ON  
SURVEYS OF SOVIET-BLOC SCIENTIFIC AND TECHNICAL  
LITERATURE.

APR 65 44P

REPT. NO. ATD-P-65-17

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*RADIATION EFFECTS, ELECTROMAGNETIC  
FIELDS), (\*ELECTROMAGNETIC FIELDS, RADIATION EFFECTS),  
USSR, CENTRAL NERVOUS SYSTEM, MICROWAVE RADIATION,  
BIBLIOGRAPHIES, SENSITIVITY, SCIENTIFIC RESEARCH,  
RADIOTHERAPY, ULTRAHIGH FREQUENCY, LABORATORY ANIMALS,  
HUMANS, REVIEWS (U)

THIS ANNOTATED BIBLIOGRAPHY REFERS TO MATERIALS  
REFLECTING SOVIET-BLOC RESEARCH ON THE BIOLOGICAL  
EFFECTS OF MICROWAVES AND CONSTANT MAGNETIC FIELDS  
PUBLISHED FROM 1933 TO 1964. OF THE 132 ARTICLES,  
41 DEAL WITH THE EFFECTS OF MICROWAVES ON THE CENTRAL  
NERVOUS SYSTEM, 54 DEAL WITH EFFECTS ON THE  
PERIPHERAL NERVOUS SYSTEM, AND 36 DEAL WITH THEORY,  
THERMAL EFFECTS, EFFECTS ON INVERTEBRATES AND PLANTS,  
INDUSTRIAL HYGIENE, AND OTHER MISCELLANEOUS ASPECTS  
NOT DIRECTLY ASSOCIATED WITH THE NERVOUS RESPONSE OF  
ORGANISMS. IN MANY CASES ARTICLES WERE TAKEN FROM  
LARGE REVIEW PUBLICATIONS AND, THEREFORE, MUST BE  
REGARDED AS SECONDARY SOURCES. PRIMARY SOURCE  
NUMBERS FOLLOW THE ANNOTATIONS OF THESE ARTICLES.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-600 707

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
NEUTRON FLUX MEASUREMENTS: AN ANNOTATED  
BIBLIOGRAPHY,

(U)

SEP 63 61P PIERCE, CHARLIE M. I  
REPT. NO. SR063 7

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•NEUTRON FLUX, MEASUREMENT),  
(•BIBLIOGRAPHIES, NEUTRON FLUX), RADIATION MEASUREMENT  
SYSTEMS, ABSTRACTS (U)

THE REFERENCES CITED DEAL WITH ALL ASPECTS OF  
NEUTRON FLUX MEASUREMENTS. MOST OF THE REFERENCES  
WERE PUBLISHED BETWEEN JUNE 1959 AND JUNE 1963.  
THE REFERENCES ARE ALPHABETICALLY ARRANGED  
ACCORDING TO THE FIRST AUTHOR. CORPORATE AND  
PERSONAL AUTHOR INDEXES ARE INCLUDED. (AUTHOR)

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 287

PREVENTION OF DETERIORATION CENTER HAS-NRC WASHINGTON D  
C

BIBLIOGRAPHY ON RADIOACTIVE ISOTOPES AS TOOLS FOR  
DETERMINING SMALL CHANGES IN COMPOSITION AND  
STRUCTURE OF MATERIALS.

(U)

DEC 61 7P

REPT. NO. 561 038 ,PDL 42574

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*RADIOACTIVE ISOTOPES, TRACER STUDIES),  
(\*TRACER STUDIES, BIBLIOGRAPHIES), (\*BIBLIOGRAPHIES,  
TRACER STUDIES), MATERIALS, DEGRADATION, TEST METHODS,  
RADIOGRAPHY

(U)

A BIBLIOGRAPHY OF 32 ITEMS LISTED BY PDC  
ACCESSION NUMBER.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-603 689

BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS  
INFORMATION CENTER

MONTHLY ACCESSION LIST. ABSTRACT NO. 24527 TO 24600.

PART I.

(U)

DESCRIPTIVE NOTE; REPT. FOR 1-31 JUL 64.

AUG 64 30P

REPT. NO. MAL-77

CONTRACT: AF33 615 1124

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (RADIATION DAMAGE, MATERIALS),  
(BIBLIOGRAPHIES, RADIATION DAMAGE), ABSTRACTS,  
METALS, CERAMIC MATERIALS, SINGLE CRYSTALS, ORGANIC  
MATERIALS, POLYMERS, INORGANIC COMPOUNDS, ELECTRONIC  
EQUIPMENT, CIRCUITS, TRANSDUCERS, SEMICONDUCTORS,  
SPACE ENVIRONMENTAL CONDITIONS, NUCLEAR REACTORS,  
RADIATION CHEMISTRY, RADIATION MEASUREMENT SYSTEMS,  
STEEL, COPPER ALLOYS, NICKEL ALLOYS, REACTOR  
MATERIALS, TEXTILES, GUIDED MISSILE COMPONENTS, SOLAR  
CELLS, PROGRAMMING (COMPUTERS), SHIELDING, SCIENTIFIC  
SATELLITES, SEMICONDUCTORS, GLASS (U)  
IDENTIFIERS: ELECTRON SPIN RESONANCE (U)

A BIBLIOGRAPHY OF 74 ABSTRACTS IS PRESENTED  
CONCERNING THE EFFECTS OF RADIATION ON METALLIC,  
CERAMIC, POLYMERIC, ORGANIC, AND INORGANIC MATERIALS;  
ELECTRONIC MATERIALS, COMPONENTS, AND DEVICES; TEST  
FACILITIES; SPACE ENVIRONMENT AND EFFECTS ON  
MATERIALS; AND EXPERIMENTAL DEVICES AND TECHNIQUES.

(U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 982

JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS

LAB

GEOPHYSICAL EFFECTS OF HIGH-ALTITUDE NUCLEAR

EXPLOSIONS OF 1962; AN ANNOTATED BIBLIOGRAPHY, (U)

OCT 64 40P BLAU, EDMUND J. I

REPT. NO. TG-230-85

CONTRACT: NOW62 0604C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•BIBLIOGRAPHIES, NUCLEAR EXPLOSIONS),  
(•NUCLEAR EXPLOSIONS, BIBLIOGRAPHIES), (•GEOPHYSICS,  
NUCLEAR EXPLOSIONS), EXPLOSION EFFECTS, HIGH  
ALTITUDE (U)

THE PRESENT COMPILATION IS CONCERNED ONLY WITH  
GEOPHYSICAL EFFECTS PRODUCED BY THE HIGH-ALTITUDE  
TESTS MADE IN 1962, BOTH AMERICAN AND SOVIET .  
THIS SERIES IS OF PARTICULAR INTEREST BECAUSE OF  
THE CREATION AS A RESULT OF THE 'STARFISH TEST OF 9  
JULY OF AN ARTIFICIAL RADIATION BELT SIMILAR TO THE  
NATURAL VAN ALLEN BELTS. THE EXTENT AND  
DURATION OF THIS BELT AND THE MAGNITUDE OF OTHER  
EFFECTS OF THE EXPLOSION GREATLY EXCEEDED THE RESULTS  
PRODUCED BY EARLIER HIGH-ALTITUDE NUCLEAR TESTS AND  
PROVIDED A STIMULUS FOR INTENSIVE INVESTIGATION ALL  
OVER THE WORLD. IN THIS BIBLIOGRAPHY, ARTICLES OF  
A PURELY THEORETICAL NATURE HAVE BEEN OMITTED, AS  
HAVE THOSE CONCERNED ONLY WITH RADIOACTIVE FALLOUT.  
THE TOTAL OF ABOUT 170 REFERENCES INDICATES THE  
GREAT INTEREST IN THE SUBJECT. THE LARGEST NUMBER  
OF ARTICLES ARE CONCERNED WITH THE STARFISH  
EXPLOSION, SINCE THIS WAS THE EARLIEST OF THE SERIES  
AND PRODUCED THE MOST SPECTACULAR RESULTS. (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-614 785

BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS  
INFORMATION CENTER

MONTHLY ACCESSION LIST, ABSTRACT NO. 27166 TO 27222.

PART I.

(U)

DESCRIPTIVE NOTE: REPT. FOR 1-30 APR 65.

MAY 65 25P

REPT. NO. ACCESSION LIST NO. 86

CONTRACT: AF33 615 1124

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: CONTINUATION OF CONTRACT AF33 657  
10085.

DESCRIPTORS: (\*RADIATION DAMAGE, MATERIALS),  
(\*MATERIALS, RADIATION DAMAGE), (\*BIBLIOGRAPHIES,  
RADIATION DAMAGE), RADIATION CHEMISTRY, ABSTRACTING,  
CERAMIC MATERIALS, METALS, ORGANIC MATERIALS,  
POLYMERS, ELECTRONIC EQUIPMENT, SPACE ENVIRONMENTAL  
CONDITIONS, SEMICONDUCTOR DEVICES, ELECTROMAGNETIC  
WAVES

(U)

CONTENTS: DATES COVERED: APRIL 1, 1965 TO  
APRIL 30, 1965 METALLIC MATERIALS; CERAMIC  
MATERIALS; ORGANIC MATERIALS; POLYMERIC  
MATERIALS; INORGANIC MATERIALS; ELECTRONIC  
MATERIALS, COMPONENTS, AND DEVICES;  
FACILITIES; SPACE ENVIRONMENT AND EFFECTS ON  
MATERIALS; EXPERIMENTAL DEVICES AND  
TECHNIQUES; MISCELLANEOUS.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-618 339

BATTELLE MEMORIAL INST COLUMBUS OHIO RADIATION EFFECTS  
INFORMATION CENTER

A SELECTED BIBLIOGRAPHY OF PULSED RADIATION  
EFFECTS,

(U)

JUN 63 32P

VEAZIE, W. F. COLLIER, S. F. I

REPT. NO. REIC-M-24

CONTRACT: AF33 657 10085

PROJ: 7381 ,7634

TASK: 738103

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•RADIATION DAMAGE, BIBLIOGRAPHIES),  
(•BIBLIOGRAPHIES, RADIATION DAMAGE), MATERIALS,  
ELECTRONIC EQUIPMENT, SEMICONDUCTOR DEVICES

(U)

THE BIBLIOGRAPHY IS DIVIDED INTO THREE PARTS:  
REPORTS GENERATED BY INDUSTRIAL ORGANIZATIONS,  
REPORTS GENERATED BY GOVERNMENT LABORATORIES, AND  
MISCELLANEOUS REFERENCES.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-623 557

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

NUCLEAR SAFETY,

(U)

OCT 65 65P VALIUNAS, ANDREW I

POPLAWSKI, BARTHOLOMEW I

REPT. NO. ATD-B-65-76

MONITOR: TT ,

65-64490

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: ANNOTATED BIBLIOGRAPHY BASED ON  
SOVIET OPEN LITERATURE. REPORT ON SURVEYS OF SOVIET  
SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (HEALTH PHYSICS INSTRUMENTATION,  
BIBLIOGRAPHIES), RADIATION MEASUREMENT SYSTEMS,  
SHIELDING, REMOTE CONTROL SYSTEMS, SAFETY,  
NEUTRON DEFECTORS, ALPHA PARTICLE DETECTORS,  
GAMMA COUNTERS, DOSIMETERS, USSR

(U)

AN ANNOTATED BIBLIOGRAPHY IN PRESENTED OF RUSSIAN  
PAPERS ON THE FOLLOWING TOPICS: NEUTRON DETECTORS;  
ALPHA, BETA, AND GAMMA DETECTORS; DOSIMETERS;  
RADIATION SHIELDING STUDIES; REMOTE HANDLING AND  
RADIATION PROTECTIVE DEVICES AND STUDIES.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-626 600

18/3

14/2

7/3

7/4

20/2

20/12

LIBRARY OF CONGRESS WASHINGTON D C SCIENCE AND TECHNOLOGY  
DIV

AIR FORCE SCIENTIFIC RESEARCH BIBLIOGRAPHY, VOLUME  
III, 1959,

(U)

65 705P

HOOKE, G. VERNON I

YATES, DORIS C. BROOKINS, HARVEY D. I

DANN, AARON S. I

MONITOR: AFOSR ,

700-3

UNCLASSIFIED REPORT

AVAILABILITY: HARD COPY AVAILABLE FROM

SUPERINTENDENT OF DOCUMENTS, GPO, WASHINGTON, D. C.

20402, 54.75, D-301.45/19-21700/V.3.

SUPPLEMENTARY NOTE:

DESCRIPTORS: (AIR FORCE RESEARCH,  
BIBLIOGRAPHIES), ABSTRACTS, MATHEMATICS,  
PHYSICS, CHEMISTRY, PHYSICAL CHEMISTRY, SOLID  
STATE PHYSICS, ELECTRONICS, AERONAUTICS,  
ASTRONAUTICS, PROPELLANTS, FUELS, MATERIALS,  
CRYSTALLOGRAPHY, MEDICINE, METALLURGY,  
PSYCHOLOGY

(U)

AIR FORCE SCIENTIFIC RESEARCH BIBLIOGRAPHY, VOLUME  
III, 1959.

**ORDNANCE**



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-406 203

SPRINGFIELD ARMORY MASS  
BIBLIOGRAPHY OF SPRINGFIELD ARMORY TECHNICAL  
REPORTS AND NOTES ON MATERIEL - 1 JANUARY 1961 31  
DECEMBER 1962. (U)

JAN 63 13P  
MONITOR: SA YR20 9102

UNCLASSIFIED REPORT

DESCRIPTORS: (•ORDNANCE), (•BIBLIOGRAPHIES),  
(•ABSTRACTS), SMALL ARMY, AUTOMATIC WEAPONS,  
GUN MOUNTS, SPOTTING RIFLES, ALUMINUM COATINGS,  
STEEL, CHROMIUM, P, POWDER METALS, CARBIDES,  
MACHINING, ULTRASONIC RADIATION, SINTERING,  
NON-DESTRUCTIVE TESTING, CARTRIDGES, ANALOG  
COMPUTERS, ARMAMENT, HELICOPTERS, ERRORS,  
GUNS (U)

THIS BIBLIOGRAPHY IS A COMPILATION OF TECHNICAL  
REPORTS AND NOTES ON MATERIEL PREPARED AND PUB  
LISHED BY SPRINGFIELD ARMORY RESEARCH AND EN  
GINEERING DIVISION. THIS BIBLIOGRAPHY COVERS  
THE PERIOD FROM 1 JANUARY 1961 TO 31 DECEMBER  
1962. ABSTRACTS OF TECHNICAL REPORTS ARE IN  
CLUDED IN THIS BIBLIOGRAPHY. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-406 244

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

EXPLODING WIRES, FILMS, AND RIBBONS. ANNOTATED  
BIBLIOGRAPHY.

(U)

MONITOR: AID <sup>AP</sup> 863 78

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTES:

DESCRIPTORS: \*EXPLODING WIRES, \*BIBLIOGRAPHIES,  
FILMS, ABSTRACTS, SCIENTIFIC PERSONNEL, PHOTOGRAPHIC  
EQUIPMENT, SPECTRA (VISIBLE AND ULTRAVIOLET), KERR  
CELLS, FERRITE, SPARKS, CIRCUITS, HYDRODYNAMICS,  
THEORY, ELECTRON OPTICS, ELECTRICAL IMPEDANCE,  
THICKNESS, TEMPERATURE, LIGHT PULSES, GASES,  
OSCILLOGRAPHY, ELECTRONS, PLASMA PHYSICS

(U)

IDENTIFIERS: USSR

(U)

THIS BIBLIOGRAPHY IS INTENDED AS A GUIDE TO  
SOVIET LITERATURE ON ELECTRICALLY EXPLODED  
CONDUCTORS. IT WAS COMPILED FROM SIX SOVIET  
JOURNALS, SPANNING THE PERIOD MARCH 1957 TO  
JANUARY 1963. THE ELEVEN ENTRIES ARE ARRANGED  
ALPHA BETICALLY BY AUTHOR. AN ANNOTATION IS  
PROVIDED FOR EACH ARTICLE. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 020362

AD-427 226

NAVAL ORDNANCE TEST STATION CHINA LAKE CALIF  
1962, SELECTED OFFICIAL PUBLICATIONS, PROFESSIONAL  
PAPERS AND PATENTS.

(U)

SEP 63 75F  
MONITOR: NOTS TP3120

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (ORDNANCE, REPORTS), (ABSTRACTS,  
ORDNANCE), PATENTS, PERIODICALS, BIBLIOGRAPHIES  
IDENTIFIERS: PUBLICATIONS, 1963

(U)

(U)

THIS BOOKLET LISTS OFFICIAL PUBLICATIONS RELEASED  
TO THE OFFICE OF TECHNICAL SERVICES FOR  
DISSEMINATION UNDER PUBLIC LAW 776, PROFESSIONAL  
PAPERS PUBLISHED IN THE OPEN LITERATURE, AND U.S.  
PATENTS. THE OFFICIAL PUBLICATIONS ARE LISTED BY  
SERIES NUMBER (NAVORD REPORT, NAVNEPS REPORT,  
NOTS TP); THE PROFESSIONAL PAPERS, ALPHABETICALLY  
BY FIRST AUTHOR; AND THE PATENTS, BY U. S. PATENT  
NUMBER. AN AUTHOR INDEX APPEARS AT THE BACK.  
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY - SEARCH CONTROL NO. 000362

AD-460 101

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

THE THEORY OF DETONATION, THE COMBUSTION MECHANISM,  
AND THE PROPERTIES OF EXPLOSIVES. (U)

DESCRIPTIVE NOTE; ANNOTATED BIBLIOGRAPHY ON SURVEYS OF  
SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.

AUG 64 67P  
REPT. NO. ATD-U-64-BE

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (EXPLOSIVE MATERIALS, BIBLIOGRAPHIES),  
(SCIENTIFIC RESEARCH, USSR), THEORY DETONATIONS,  
COMBUSTION, STABILITY, DECOMPOSITION, PYROLYSIS,  
BURNING RATE, SHOCK WAVES, ABSTRACTING (U)

THIS REPORT IS BASED ON THE OPEN SOVIET  
LITERATURE PUBLISHED IN 1963 AND AVAILABLE AT THE  
AEROSPACE TECHNOLOGY DIVISION AND THE LIBRARY  
OF CONGRESS. IT CONSISTS OF AN ANNOTATED  
BIBLIOGRAPHY DEALING PREDOMINANTLY WITH THE THEORY OF  
DETONATION, THE COMBUSTION MECHANISM, AND THE  
PROPERTIES OF EXPLOSIVES. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 024

SPRINGFIELD ARMORY MASS

BIBLIOGRAPHY OF SPRINGFIELD ARMORY TECHNICAL REPORTS  
AND NOTES ON MATERIEL (1 JAN-31 DEC 63). (U)

FEB 64 12P

MONITOR: SA TR20 9103

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*GUNS, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, GUNS), GUN COMPONENTS, ABSTRACTS,  
REPORTS (U)

THE BIBLIOGRAPHY IS A COMPILATION OF TECHNICAL  
REPORTS AND NOTES ON MATERIEL PREPARED AND  
PUBLISHED BY SPRINGFIELD ARMORY RESEARCH AND  
ENGINEERING DIVISION. THE BIBLIOGRAPHY COVERS  
THE PERIOD FROM 1 JANUARY 1963 TO 31 DECEMBER  
1963. ABSTRACTS OF TECHNICAL REPORTS ARE  
INCLUDED. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-618 131

AIR FORCE CAMBRIDGE RESEARCH LABS L & HANSCOM FIELD  
MASS

A BIBLIOGRAPHY OF THE ELECTRICALLY EXPLODED CONDUCTOR  
PHENOMENON. SUPPLEMENT NO. 1. (U)

DESCRIPTIVE NOTE: SPECIAL REPT.,

JUN 65 43P CHACE, WILLIAM G. I

WATSON, ELEANOR M. I

REPT. NO. SR-25 ,APCRL-65-384

PROJ: 8608

TASK: 860804

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*EXPLODING WIRES, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, EXPLODING WIRES), FOILS,  
EXPLOSIVE MATERIALS, LIGHT, MATHEMATICS,  
MEASUREMENT, PHOTOGRAPHY, SHOCK WAVES, SPARKS,  
SPECTROSCOPY, ELECTRIC SWITCHES, TEMPERATURE,  
THEORY, X RAYS, FILMS, PLASMA PHYSICS (U)

BIBLIOGRAPHY OF THE ELECTRICALLY EXPLODED CONDUCTOR  
PHENOMENON. SUPPLEMENT NO. 1.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-622 195

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

SOVIET AEROBALLISTIC RANGES AND HYPERVELOCITY  
RESEARCH: COMPREHENSIVE REPORT, (U)

SEP 65 71P BOYLAN, LOR I

REPT. NO. ATD-P-65-79

MONITOR: TT : 65-64117

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON SURVEYS OF COMMUNIST  
WORLD SCIENTIFIC AND TECHNICAL LITERATURE.  
AVAILABLE COPY WILL NOT PERMIT FULLY LEGIBLE REPRODUCTION.  
REPRODUCTION WILL BE MADE IF REQUESTED BY USERS OF DDC.  
COPY IS AVAILABLE FOR PUBLIC SALE.

DESCRIPTORS: (\*RANGES(ESTABLISHMENTS), EXTERIOR  
BALLISTICS), (\*EXTERIOR BALLISTICS,  
RANGES(ESTABLISHMENTS)), (\*HYPERVELOCITY GUNS,  
USSR), IMPACT PREDICTION, HYPERVELOCITY  
PROJECTILES, SHOCK TUBES, INSTRUMENTATION,  
BIBLIOGRAPHIES, POLAND (U)

PART I DEALS PREDOMINANTLY WITH TWO BALLISTIC  
RANGES MENTIONED IN OPEN SOVIET LITERATURE AS BEING  
PRESENTLY IN USE IN THE SOVIET UNION. OTHER  
MATERIAL DISCUSSED IN PART I DEALS WITH SEVERAL  
RECENT ARTICLES DESCRIBING METHODS OF OBTAINING  
EXTREMELY HIGH VELOCITIES (100 AND 90 KM/SEC).  
THIS MATERIAL COVERS RECENT SOVIET AND POLISH  
DEVELOPMENTS IN HYPERVELOCITY TECHNOLOGY. PART  
II DISCUSSES SOVIET IMPACT TECHNIQUE, TRENDS, AND  
EQUIPMENT, AND CONTAINS SOME MATERIAL ON IMPACT  
STUDIES. OF PARTICULAR INTEREST IS A RECENT  
ARTICLE DISCUSSING A 15-KM/SEC IMPACT ACHIEVED BY  
USING WHAT IS DESCRIBED AS A 'MULTISTAGE' EXPLOSIVE  
CHARGE. AT THE END OF PART II, A SELECTED  
BIBLIOGRAPHY HAS BEEN INCLUDED WHICH CITES THE  
ENGLISH TRANSLATIONS OF MANY OF THE FOREMOST  
SOVIET WORKS DEALING WITH IMPACT. PARTS III  
AND IV BRIEFLY DISCUSS SOVIET SHOCK TUBES AND  
INSTRUMENTATION, LISTING SOME OF THE COMPONENTS MOST  
FREQUENTLY FOUND IN SOVIET HYPERVELOCITY STUDIES.  
THE MATERIAL COVERED IN THIS REPORT IS THE RESULT  
OF AN EXHAUSTIVE AND COMPREHENSIVE SEARCH OF MORE  
THAN 15 MAJOR SOVIET SCIENTIFIC PERIODICALS AND  
OTHER PERTINENT SERIALS, MONOGRAPHS, ETC., PUBLISHED  
OVER THE LAST SEVEN YEARS, AND INVOLVED THE REVIEW OF  
OVER 3000 ARTICLES. (AUTHOR) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-623 242

AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D  
C

ACTIVITIES INVOLVING BLASTING OPERATIONS: REVIEW  
ARTICLE AND ANNOTATED BIBLIOGRAPHY (USSR). (U)

DESCRIPTIVE NOTE: REPT. NO. 3 ON AID WORK ASSIGNMENT NO.  
50-E.

MAR 64 24P

REPT. NO. AID-U-64-21

MONITOR: TT : 65-64453

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REFERENCES ARE TAKEN FROM SOVIET AND  
SOVIET-BLOC OPEN-SOURCE MATERIALS PUB. 1963.

DESCRIPTORS: (\*BLAST, REVIEWS), (\*EXPLOSIVE  
MATERIALS, BIBLIOGRAPHIES), ENGINEERING, MINING  
ENGINEERING, CRATERING, DAMS, USSR (U)

THE REPORT IS ISSUED IN TWO PARTS. PART I  
COMPRISES SUMMARY REVIEWS, WITH ILLUSTRATIONS, OF  
THREE SELECTED SOVIET PAPERS WHICH AFFORD  
CONSIDERABLE INSIGHT INTO THE CURRENT SOVIET STATE  
OF THE ART IN THE ENGINEERING USES OF EXPLOSIVES.  
PART II COMPRISES ABSTRACTS OF 13 PAPERS ON  
VARIOUS APPLICATIONS OF EXPLOSIVES. CRATERING  
TECHNIQUES, MINING, DRAINAGE, AND TECHNIQUES OF  
'CONFINED' CHARGES ARE AMONG THE SUBJECTS COVERED.  
ABSTRACTS OF THE PAPERS REVIEWED IN PART I ARE  
INCLUDED IN PART II. (U)



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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-625 326 19/4 21/2 19/1  
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D  
C  
THE THEORY OF DETONATION, THE COMBUSTION MECHANISM,  
AND THE PROPERTIES OF EXPLOSIVES, (U)  
DEC 65 37P PARANDJUK, SERAPHIM I  
REPT. NO. ATD-65-111  
MONITOR: TT , 66-60085

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: COMPILATION OF ABSTRACTS BASED ON  
SOVIET OPEN LITERATURE.

DESCRIPTORS: (\*DETONATIONS, ABSTRACTS),  
(\*COMBUSTION, ABSTRACTS), (\*EXPLOSIVE MATERIALS,  
ABSTRACTS), BIBLIOGRAPHIES, USSR (U)

THEORY OF DETONATION, THE COMBUSTION MECHANISM, AND THE  
PROPERTIES OF EXPLOSIVES: COMPILATION OF ABSTRACTS.

**PHYSICS**

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-403 137

AUTONETICS DOWNEY CALIF

A SURVEY OF LITERATURE ON TECHNIQUES AND INSTRUMENTATION FOR MEASURING ELECTRICAL PULSE INTERVALS, (U)

FEB 63 1V BRYCE, BARBARA ANN I

ALEVIZON, SARAH ANN I

REPT. NO. EM1163 106

UNCLASSIFIED REPORT

DESCRIPTORS: •ELECTROMAGNETIC PULSES, •BIBLIOGRAPHIES, ABSTRACTS, MEASUREMENT.

(U)

THIS BIBLIOGRAPHY IS ON RISE TIME AND WIDTH RANGE OF VERY SHORT ELECTRICAL PULSES. EMPHASIS HAS BEEN PLACED ON HOW TO MEASURE TIME AND PEAK AMPLITUDE BY ACCURATE NANOSECOND MEASUREMENTS. SPECIAL EQUIPMENT AND TECHNIQUES ARE CITED. THE SCOPE COVERS APPROXIMATELY A 12-YEAR PERIOD WITH MOST OF THE LITERATURE ENCOMPASSING THE LAST FOUR YEARS.

(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-403 469

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
THERMAL SHOCK: AN ANNOTATED BIBLIOGRAPHY,

(U)

SEP 62 20P BUGINAS, COMP. BY SCOTT J. I  
REPT. NO. 6 19 62 41

UNCLASSIFIED REPORT

DESCRIPTORS: •BIBLIOGRAPHIES, •THERMAL  
STRESSES, FATIGUE (MECHANICS), STABILITY,  
THEORY, REFRACTORY MATERIALS, CERAMATERIALS,  
SHOCK (MECHANICS), HIGH TEMPERATURE  
RESEARCH.

(U)

IDENTIFIERS: THERMAL SHOCK.

(U)

THE SEARCH MADE BEGAN WITH THE LITERATURE OF 1956.  
GLENNY IN 1961 AND MAJORS IN 1957 HAVE WRITTEN  
EXTENSIVE REVIEW ARTICLES CONCERNING THERMAL FATIGUE.  
SOME OF THE REFERENCES OF THESE AUTHORS APPLY  
DIRECTLY OR ARE RELATED TO THE SUBJECT OF THIS  
BIBLIOGRAPHY. THIS SEARCH WAS ORIENTED TOWARD  
AIDING RESEARCHERS IN DEVELOPING A DEFINITION FOR  
THERMAL SHOCK (THERE ARE CONFLICTS IN THE  
LITERATURE) AND IN STUDYING THERMAL SHOCK VS.  
FATIGUE CYCLING. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-404 834

DAVID TAYLOR MODEL BASIN WASHINGTON D C  
CRITERIA FOR HUMAN REACTION TO ENVIRONMENTAL  
VIBRATION ON NAVAL SHIPS,

(U)

JUN 62 11P BUCHMANN, E. I

PROJ: S FO13 11 01

MONITOR: DTMB 1635

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PRESENTED AT THE ANNUAL MEETING OF THE  
INSTITUTE FOR ENVIRONMENTAL SCIENCES HELD IN CHICAGO  
ON 10 APRIL 1962 AND IS PUBLISHED IN THE PROCEEDINGS OF  
THE INSTITUTE.

DESCRIPTORS: \*VIBRATION, \*MAN, \*NAVAL PERSON  
NEL, \*BIBLIOGRAPHIES, \*MOTION, \*MOTION SICK  
NESS, NAVAL VESSELS (COMBATANT), DESTROYERS,  
AIRCRAFT CARRIERS, OCEAN WAVES, ACCELERATION,  
TIME, ROLL, PITCH (MOTION), FREQUENCY,  
REACTION (PSYCHOLOGY), TOLERANCES  
(PHYSIOLOGY), PHYSIOLOGY.

(U)

A SEARCH OF EXISTING LITERATURE ON HUMAN REACTIONS  
TO VIBRATIONS WAS MADE TO OBTAIN A GUIDE FOR  
ESTABLISHING NORMS FOR CREWS ON NAVAL SHIPS. SUCH  
NORMS ARE RECOMMENDED AS A RESULT OF THIS STUDY.  
FURTHER RESEARCH PROGRAMS ARE OUTLINED. THIS  
REPORT DEFINES LEVELS OF MOTIONS AND VIBRATIONS TO  
WHICH CREW MEMBERS ARE EXPOSED DURING SURFACE SHIP  
OPERATIONS. THE LEVELS OF VIBRATION ARE ALSO  
COMPARED WITH THOSE FOR STRUCTURAL ITEMS AND  
MACHINERY. NO ATTEMPT IS MADE TO EVALUATE ALL WORK  
IN THIS FIELD; ONLY THAT CONSIDERED PERTINENT TO  
PROBLEMS ARISING FROM SHIPBOARD VIBRATION IS  
INCLUDED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-407 047

NAVAL RESEARCH LAB WASHINGTON D C

A FAR INFRARED BIBLIOGRAPHY,

(U)

APR 63 BIP PALIK, E.D.I

MONITOR: NRL BIBLIOGRAPHY NO. 21

UNCLASSIFIED REPORT

DESCRIPTORS: •INFRARED RADIATION, INSTRUMENTA  
TION, OPTICAL PROPERTIES, GASES, LIQUIDS,  
SOLIDS, INFRARED SPECTROSCOPY, INFRARED EQUIP  
MENT, BIBLIOGRAPHIES.

(U)

A CHRONOLOGICALLY ARRANGED BIBLIOGRAPHY OF 650 REFERENCES  
ON FAR INFRARED RADIATION.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-407 521

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
ELECTROLUMINESCENCE: AN ANNOTATED  
BIBLIOGRAPHY,

(U)

JUN 63 117P STROMER, COMP. BY PETER R. I  
REPT. NO. REPT. NO. 5863 61

UNCLASSIFIED REPORT

DESCRIPTORS: •ELECTROLUMINESCENCE, •BIBLIOG  
RAPHY, INJECTION, PHOSPHORUS, ELECTRIC FIELDS,  
PHOTONS, EXCITATION, DISPLAY SYSTEMS, COMPUTER  
LOGIC, CATHODE RAY TUBE SCREENS, CHEMICAL  
COMPOUNDS, PHOTOCONDUCTIVITY, SONAR, OPTICAL  
PROPERTIES, PHOSPHORESCENCE, DIRECT CURRENT,  
ALTERNATING CURRENT.

(U)

THE RECENT LITERATURE OF CARRIER INJECTION (D.C.)  
AND INTRINSIC (A.C.) ELECTROLUMINESCENCE HAS BEEN  
REVIEWED. ELECTROLUMINESCENCE IS DEFINED AS THE  
EXCITATION OF A PHOSPHOR BY AN ELECTRIC FIELD WHEREBY  
THE ELECTRICAL ENERGY IS CONVERTED TO VISIBLE  
RADIATION. OTHER FORMS OF ENERGY SUCH AS PHOTONS,  
CATHODE RAYS, X-RAYS, ETC. GIVE RISE TO  
PHOTOLUMINESCENCE, CATHODOLUMINESCENCE, AND X-RAY  
LUMINESCENCE, RESPECTIVELY. REFERENCES TO THESE  
OTHER FORMS OF LUMINESCENCE HAVE BEEN INCLUDED ONLY  
IN THOSE INSTANCES WHERE THEY HAVE BEEN STUDIED IN  
COMBINATION WITH ELECTROLUMINESCENCE. ENTRIES ARE  
ARRANGED ALPHABETICALLY BY SENIOR PERSONAL AUTHOR.  
BOTH A SOURCE AND SUBJECT INDEX ARE SUPPLIED TO  
PROVIDE DIFFERENT APPROACHES TO THE USE OF THIS  
MATERIAL. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-410 497

IIT RESEARCH INST CHICAGO ILL  
LITERATURE ON DESIGN TECHNIQUES AND ANALYTICAL  
METHODS FOR BRITTLE MATERIALS,

(U)

APR 63 258P BARNETT, RALPH L. I

REPT. NO. REPT. NO. 8259

TASK: 2

UNCLASSIFIED REPORT

DESCRIPTORS: (BRITTLINESS, BIBLIOGRAPHIES),  
STRESSES, ANALYSIS, DESIGN, CERAMIC MATERIALS,  
REFRACTORY MATERIALS, GLASS TEXTILES, METALS,  
ALLOYS, MATERIALS, COMPOSITE MATERIALS,  
MECHANICAL PROPERTIES, GLASS, TEXTILES,  
CONCRETE, AIR FRAMES, MECHANICS, STATISTICAL  
ANALYSIS, STRUCTURES, FRACTURE(MECHANICS),  
FATIGUE(MECHANICS), THERMAL STRESSES, CREEP,  
JOINTS, THEORY, TEST METHODS,  
FAILURE(MECHANICS), LOADING(MECHANICS),  
DEFORMATION, STATISTICAL MECHANICS

(U)

IDENTIFIERS: 1963.

(U)

CONTENTS: STATISTICAL STATIC STRENGTH THEORIES  
FATIGUE FRACTURE THEORY BRITTLE BEHAVIOR  
THERMAL STRESS NOTCH SENSITIVITY AND STRESS  
CONCENTRATION CREEP CRACK PROPAGATION MATERIALS  
ENVIRONMENT JOINTS

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-411 512

MASSACHUSETTS INST OF TECH CAMBRIDGE ENGINEERING PROJECTS  
LAB

AN INDEX TO THE TWO-PHASE GAS-LIQUID FLOW TEM  
PERATURE. PART I,

(U)

MAY 63 315P GOUSE, S. WILLIAM I

REPT. NO. REPT. 8734 I

CONTRACT: NONR184173

UNCLASSIFIED REPORT

DESCRIPTORS: (\*BIBLIOGRAPHIES, INDEXES),  
(\*GAS FLOW, FLUID FLOW), BOILING, BUBBLES,  
CAPILLARY TUBES, COMPRESSIBLE FLOW, OSCILLATION,  
HYDRODUCT ENGINES, ABSTRACTS.

(U)

IDENTIFIERS: 1963, TWO-PHASE FLOW.

(U)

A TOTAL OF 2000 SEPARATE REFERENCES ON CERTAIN  
TYPES OF TWO-PHASE GAS-LIQUID FLOW PHENOMENA HAVE  
BEEN FOUND, VERIFIED, LISTED, AND INDEXED BY SUB JECT  
AND PRINCIPLE AUTHOR. THIS LITERATURE SUR VEY WAS  
CARRIED OUT AS ONE PHASE OF A PROGRAM TO DETERMINE  
THE STATE OF THE ART IN TWO-PHASE GAS LIQUID FLOW  
PHENOMENA. IT IS EXPECTED THAT THIS PROGRAM WILL  
CONTINUE WITH THE ADDITIONAL PUBLI CATION OF CRITICAL  
REVIEWS AND EVALUATIONS OF VARIOUS PROBLEM AREAS IN  
TWO-PHASE FLOW AS WELL AS WITH THE PUBLICATION OF  
PART II OF THE INDEX. THE PROBLEM AREAS OF  
CONDENSATION, CAVITATION, AND ATOMIZATION HAVE BEEN  
EXCLUDED EXCEPT WHEN REFERENCES WERE OF SUCH A BASIC  
CHARACTER AS TO BE GENERALLY USEFUL.

(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-412 411

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
METALWORKING APPLICATIONS OF LASERS: AN ANNOTATED  
BIBLIOGRAPHY, (U)

FEB 63 25P HELEN, COMP. BY I

REPT. NO. SPECIAL BIBLIOGRAPHY SB63 221 REPT. NO. 5 73  
63 5

UNCLASSIFIED REPORT

DESCRIPTORS: (•METALLURGY, LASERS), (•LASERS,  
METALLURGY), WELDING, MACHINING, MELTING,  
VAPORIZATION, MATERIAL REMOVAL, DRILLS, RUBY,  
LASERS, CUTTING TOOLS, DESIGN, ELECTRICAL  
ENGINEERING, MANUFACTURING METHODS, ELECTRONICS,  
STAINLESS STEEL, ABSTRACTS, REPORTS, TITANIUM  
ALLOYS, ALLOYS, TUNGSTEN, ALUMINUM, NICKEL,  
DIAMONDS, MOLYBDENUM, CRYSTALS, CRYSTAL  
STRUCTURE, LABORATORY EQUIPMENT, MEDICINE,  
PHOTOGRAPHY, BIBLIOGRAPHIES (U)

IDENTIFIERS: 1963, LASERBEAM WELDING. (U)

APPLICATIONS OF LASERS IN METALWORKING ARE RE  
PORTED WITH EXCERPTS, SUMMARIES AND QUOTATIONS  
POINTING OUT THE MOST RELEVANT INFORMATION IN THE  
ITEMS REVIEWED. METALWORKING APPLICATIONS INCLUDE  
WELDING, MACHINING, PIERCING AND DRILLING, MELTING  
AND VAPORIZING, FABRICATION OF REFRACTORY MATERIALS,  
AND THE MICROWELDING AND MICROMACHINING OF FRAGILE  
COMPONENTS AND INTER CONNECTIONS FOR ELECTRONICS AND  
OPTICAL COMMUNICATIONS USES. MEASURING AND GAGING  
APPLICATIONS, HIGH SPEED PHOTOGRAPHY, HIGH  
TEMPERATURE TESTING OF MATERIALS CHARACTERISTICS ARE  
OTHER LIKELY APPLICATIONS MENTIONED. REFERENCES  
ARE MADE ALSO TO SAFETY PRECAUTIONS FOR USE, AND TO  
COMPONENTS AND EQUIPMENT NOW AVAILABLE FOR  
EXPERIMENTAL OR SHOP USE. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-412 458

AIR FORCE CAMBRIDGE RESEARCH LABS L G HANSCOM FIELD  
MASS

A LITERATURE SURVEY OF THE PURIFICATION OF ELECTRONIC  
MATERIALS, (U)

JUN 63 36P ARMINGTON, A. F. IDILLON  
G. F. MITCHELL, R. F. I

PROJ: 5620

MONITOR: AFCL 63 160

UNCLASSIFIED REPORT

DESCRIPTORS: (\*SEMICONDUCTOR, MATERIALS),  
(\*BIBLIOGRAPHIES, SEMICONDUCTOR), (\*PURIFICA  
TION, SEMICONDUCTORS), (\*ELEMENTALS),  
ALUMINUM, ANTIMONY, ARSENIC, BISMUTH,  
BORON, CADMIUM, GALLIUM, GERMANIUM, INDIUM,  
LEAD, MAGNESIUM, MERCURY, PHOSPHORUS,  
SELENIUM, SILICON, SULFUR, TELLURIUM, TIN,  
ZINC. (U)

IDENTIFIERS: 1963. (U)

THIS REPORT, THE SECOND IN A SERIES UNDER THE  
GENERAL TITLE OF PURIFICATION, IS A LITERATURE SURVEY  
ON THE PURIFICATION PROCEDURES APPLIED TO NINETEEN  
ELEMENTS USED IN THE ELECTRONIC INDUSTRY. THERE IS  
AN ADDITIONAL SECTION ON THE ATTAINMENT OF  
STOICHIOMETRY IN COMPOUND SEMICONDUCTORS BY THE  
INDUSTRY AND A SUMMARY CHART OF THE PROBABLE BEST  
PURIFICATION PROCEDURE FOR EACH ELEMENT.

(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-412 953

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

LATTICE DYNAMICS ANNOTATED BIBLIOGRAPHY OF SOVIET  
LITERATURE. (U)

AUG 63 34P

MONITOR: AID REPT. B63 101

UNCLASSIFIED REPORT

DESCRIPTORS: (\*BIBLIOGRAPHIES, \*CRYSTAL  
LATTICES), COMPRESSIVE PROPERTIES, TEMPERATURE,  
HIGH-PRESSURE RESEARCH, ENERGY, THERMAL  
CONDUCTIVITY, SPECTRA(INFRARED), MOLECULES,  
VIBRATION (U)

IDENTIFIERS: 1943, USSR. (U)

CONTENTS: CHARACTERISTIC TEMPERATURES HIGH  
PRESSURES AND COMPRESSIBILITIES LATTICE ENERGIES  
HEAT CAPACITIES INFRARED LATTICE VIBRATIONAL  
SPECTRA THERMAL CONDUCTIVITY (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-412 971

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
VIBRATIONS OF THIN SHELLS: A PARTIALLY ANNOTATED  
BIBLIOGRAPHY, (U)

APR 63 97P GROS, COMP. BY CHARLES G. I

FORSBERG, KEVIN I

REPT. NO. SPECIAL BIBLIOGRAPHY SB63 431

CONTRACT: AFO4 695 59

UNCLASSIFIED REPORT

DESCRIPTORS: (BIBLIOGRAPHIES, VIBRATION),  
(VIBRATION, STRUCTURAL SHELLS), ELASTIC  
SHELLS, SPHERES, CONICAL BODIES, GEOMETRIC  
FORMS, CYLINDRICAL BODIES, FLUTTER, THICKNESS,  
FLUIDS. (U)

IDENTIFIERS: 1963, THIN SHELLS. (U)

THE VIBRATION OF THIN SHELLS IS THE SUBJECT OF THIS  
BIBLIOGRAPHY. WITH THE EXCEPTION OF THE WORK ON  
FLUTTER, AN A IS MADE TO PROVIDE AS COMPLETE COVERAGE  
AS POSSIBLE. SINCE MUCH OF THE WORK ON THE FLUTTER  
OF CYLINDRICAL SHELLS IS CONCERNED MORE WITH  
AERODYNAMICS AND FLUID FLOW THAN WITH SHELL DYNAMICS  
AS SUCH, ONLY FLUTTER MATERIAL OF GENERAL INTEREST  
FROM THE STRUCTURAL POINT OF VIEW HAS BEEN CITED.  
THE 215 CITATIONS GIVEN COVER THE PERIOD FROM 1957  
THROUGH MARCH 1963. THE TWO BIBLIOGRAPHIES BY W.  
A. NASH, TO WHICH REFERENCE IS MADE, COVER THE  
PERIOD FROM 1880 THROUGH 1956. THERE IS, IN  
ADDITION TO THE TEN MAJOR SUBJECT CATEGORIES INTO  
WHICH MOST OF THE CITATIONS FALL, A SECONDARY  
SUBJECT INDEX INDICATING NINE OTHER SUBJECTS.  
PERSONAL AND CORPORATE AUTHOR INDEXES ARE IN  
CLUDED. THE RESOURCES OF THE TECHNICAL INFORMA  
TION CENTER, LOCKHEED MISSILES + SPACE  
COMPANY, WERE UTILIZED. SEARCH COMPLETED APRIL  
1963. (AUTHOR) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-414 327

AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D  
C

PLASMA SPECTROSCOPY, ANNOTATED BIBLIOGRAPHY. (U)

JUL 63 40P

MONITOR: AID B63 93

UNCLASSIFIED REPORT

DESCRIPTORS: (\*PLASMA PHYSICS, BIBLIOGRA  
PHIES), (\*BIBLIOGRAPHIES, PLASMA PHYSICS),  
(\*SPECTROSCOPY, PLASMA PHYSICS), ELECTRIC ARCS,  
ELECTRIC DISCHARGES, PLASMA OSCILLATIONS, GAS  
DISCHARGES. (U)

IDENTIFIERS: 1963. (U)

ANNOTATED BIBLIOGRAPHY ON PLASMA SPECTROSCOPY RESEARCH IN  
THE SOVIET UNION.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-416 376

MELLON INST PITTSBURGH PA

PROBLEMS IN RHEOLOGY AND PHYSICAL CHEMISTRY.

(U)

DESCRIPTIVE NOTE: FINAL REPT.,

IV

COLEMAN, BERNARD D. I

MONITOR: AFOSR

UNCLASSIFIED REPORT

FOR REFERENCE ONLY AT EACH OF THE DDC OFFICES. THIS  
REPORT CANNOT BE SATISFACTORILY REPRODUCED DDC DOES NOT  
FURNISH COPIES.

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CONTINUUM MECHANICS, REPORTS),  
(•THERMODYNAMICS, REPORTS), (•FLUID MECHANICS,  
REPORTS), (•POLYMERS, PHYSICAL CHEMISTRY),  
(•BIBLIOGRAPHIES, POLYMERS), FLUID FLOW,  
VISCOELASTICITY, STRESSES, STRAIN (MECHANICS), FLUIDS,  
FLUID DYNAMIC PROPERTIES, VISCOSITY, THERMAL  
CONDUCTIVITY, ADSORPTION, POLYMERIZATION (U)  
IDENTIFIERS: 1963 (U)

COMPILATION OF REPRINTS AND PREPRINTS ON RHEOLOGY;  
THERMODYNAMICS, CONTINUUM MECHANICS, AND THE PHYSICAL  
CHEMISTRY OF POLYMERS: FINAL REPORT.

UNCLASSIFIED

ODC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-417 336

YERKES OBSERVATORY WILLIAMS BAY WIS  
THE STUDY OF HYDROMAGNETIC PROBLEMS BEARING ON  
GEOMAGNETISM.

(U)

DESCRIPTIVE NOTE: FINAL REPT.;

61 40P CHANDRASEKHAR, S. I

CONTRACT: AF19 604 2046

MONITOR: AFCL 62 1075

UNCLASSIFIED REPORT

DESCRIPTORS: (•ABSTRACTS, TERRESTRIAL  
MAGNETISM), (•BIBLIOGRAPHIES, TERRESTRIAL  
MAGNETISM), (•MAGNETOHYDRODYNAMICS, BIBLIO  
GRAPHIES), HYDRODYNAMICS, THERMODYNAMICS,  
PLASMA PHYSICS, MATHEMATICAL ANALYSIS,  
STABILITY.

(U)

IDENTIFIERS: 1962.

(U)

FORTY-TWO ABSTRACTS OF PUBLICATIONS ON HYDROMAGNETIC  
PROBLEMS BEARING ON GEOMAGNETISM; FINAL REPORT.



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-419 449

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
SHOCK WAVE PROPAGATION IN SOLIDS: AN ANNOTATED  
BIBLIOGRAPHY,

(U)

MAR 63 61P STROMER, COMP. BY PETER R. I  
REPT. NO. SPECIAL BIBLIOGRAPHY NO. SB63 311  
CONTRACT: N0W63 0050C

UNCLASSIFIED REPORT

DESCRIPTORS: (SHOCK WAVES, BIBLIOGRAPHIES),  
(BIBLIOGRAPHIES, SHOCK WAVES), PROPAGATION,  
SOLIDS, BLAST, IMPACT SHOCK, PLASTICITY, VIS  
COELASTICITY, ELASTICITY, JETS, COMPRESSIVE  
PROPERTIES.

(U)

IDENTIFIERS: 1963.

(U)

A BIBLIOGRAPHY HAS BEEN COMPILED ON SHOCK WAVE  
PROPAGATION IN SOLIDS. THE EFFECTS OF EXPLOSIVE  
BLAST WAVES AND/OR HYPERVELOCITY IMPACT ON PLASTIC,  
VISCOELASTIC, AND ELASTOPLASTIC SOLIDS HAVE ALSO BEEN  
INCLUDED. A DETAILED SUBJECT INDEX IS PROVIDED.  
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-419 491

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
PLASMA JET WELDING, COATING, AND CUTTING: AN  
ANNOTATED BIBLIOGRAPHY, (U)

FEB 63 20P BUGINAS,COMP.BY SCOTT J.I  
REPT. NO. S 73 63 41

UNCLASSIFIED REPORT

DESCRIPTORS: (\*PLASMA JETS, WELDING), (\*COAT  
INGS, PLASMA JETS), (\*CUTTING TOOLS, PLASMA  
JETS), (\*BIBLIOGRAPHIES, PLASMA JETS), ELEC  
TRODES, CATHODES, BEARINGS, ALLOYS, CORROSION  
INHIBITION, MACHINING, FLAME SPRAYING, UNDER  
WATER CUTTING, TOXICITY, TORCHES, PROCESSING. (U)

IDENTIFIERS: 1963. (U)

THE SEARCH WAS MADE IN THE LITERATURE OF 1960  
1962. NEWS-RELEASE TYPE ARTICLES WERE INCLUDED  
BECAUSE OF OUR INTEREST IN MANUFACTURING APPLICA  
TIONS. ANONYMOUS ARTICLES ARE INTERFILED ALPHA  
BETICALLY BY TITLE WITHIN THE BIBLIOGRAPHY WHICH IS  
ARRANGED ALPHABETICALLY BY AUTHOR. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-419 558

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF

EPITAXIAL GROWTH: AN ANNOTATED BIBLIOGRAPHY, (U)

APR 63

69P

ABBOTT, COMP. BY HELEN M. I

KERRIGAN, JAMES V. I

REPT. NO. SPECIAL BIBLIOGRAPHY SB63 321

UNCLASSIFIED REPORT

DESCRIPTORS: (•EPITAXIAL GROWTH, BIBLIOGRAPHIES), (•CRYSTAL GROWTH, BIBLIOGRAPHIES),  
PROCESSING, THIN FILMS (STORAGE DEVICES),  
SINGLE CRYSTALS, THICKNESS, SILICON, ARSENIC,  
ANTIMONY, BISMUTH, COPPER, REACTION KINETICS,  
FILMS, GERMANIUM, VAPORIZATION, DIFFUSION,  
QUALITY CONTROL, DIAMONDS. (U)

IDENTIFIERS: 1963. (U)

THIS COMPILATION CONTAINS 169 SELECTED REFERENCES  
AND A PREFACE ON EPITAXIAL CRYSTAL GROWTH. INCLUDED  
ARE SUCH FACTORS AS CRYSTAL GROWTH AND FORMATION,  
VAPOR GROWTH, TWINNING, AND THIN FILM PROCESSES. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-419 845

NATIONAL BUREAU OF STANDARDS WASHINGTON D C  
RESEARCH ON CRYSTAL GROWTH AND DEFECT  
CHARACTERIZATION AT THE NATIONAL BUREAU OF STANDARDS  
DURING THE PERIOD JULY TO DECEMBER 1962, (U)  
MAP 43 32P PEISER, H. STEFFEN I  
MONITOR: NBS TN174

UNCLASSIFIED REPORT

DISTRIBUTION: AVAILABLE FROM GPO WASHINGTON, 25,  
D. C.

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CRYSTAL GROWTH, REVIEWS), (•CRYSTAL  
LATTICE DEFECTS, REVIEWS), (•REVIEWS, CRYSTAL GROWTH),  
OPTICAL PROPERTIES, CRYOGENICS, EPITAXIAL GROWTH,  
REACTION KINETICS, CRYSTALLIZATION, INSTRUMENTATION,  
METALLIC CRYSTALS, CRYSTALS, SINGLE CRYSTALS,  
POLYMERS, MAGNETIC PROPERTIES, SURFACE PROPERTIES,  
CRYSTAL STRUCTURE, ABSTRACTS, BIBLIOGRAPHIES (U)  
IDENTIFIERS: WHISKERS, 1963 (U)

THIS NOTE DESCRIBES PRINCIPALLY THE INDIVIDUAL  
NBS RESEARCH ACTIVITIES DURING JULY TO DECEMBER  
1962 COUPLED WITH STATEMENTS ON THE MOST IMMEDIATE  
PLANS AT THE END OF THAT PERIOD. AN INTRODUCTORY  
SECTION IS FOLLOWED BY TWO OTHER BRIEF GENERAL  
SECTIONS DESCRIBING THE PROGRAM AREA AND THE NBS  
BACKGROUND INTEREST IN THE FIELD OF CRYSTAL GROWTH  
AND CHARACTERIZATION. A LIST OF NBS PUBLICATIONS  
APPERTAINING TO THE PERIOD UNDER REVIEW AND A PARTIAL  
LIST OF PARTICIPANTS ARE APPENDED. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-421 440

DOUGLAS AIRCRAFT CO INC SANTA MONICA CALIF  
BIBLIOGRAPHY ON BOUNDARY LAYER TRANSITION,

(U)

AUG 63 13P DEEM, RALPH E. I

REPT. NO. SM43059

CONTRACT: AF33 657 10660

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*BOUNDARY LAYER TRANSITION,  
BIBLIOGRAPHIES), (\*BIBLIOGRAPHIES, BOUNDARY LAYER  
TRANSITION), LAMINAR FLOW, TURBULENCE, PLATE PLATE  
MODELS, CYLINDERS, BODIES OF REVOLUTION, FLOW  
VISUALIZATION

(U)

IDENTIFIERS: 1963

(U)

A LIST OF ONE HUNDRED SEVENTEEN DOCUMENTS IS  
PRESENTED THAT RELATE TO THE SUBJECT OF BOUNDARY  
LAYER TRANSITION. THE DOCUMENTS ARE SEGREGATED  
INTO CATEGORIES OF REVIEWS AND CORRELATIONS, THEORY,  
NATURAL TRANSITION ON FLAT PLATES, NATURAL  
TRANSITION ON BODIES, GENERAL BOUNDARY LAYER  
INFORMATION, TRIPPING, AND FLOW VISUALIZATION  
TECHNIQUES. THE BULK OF THE REPORTS IN THE  
BIBLIOGRAPHY WERE PUBLISHED DURING THE TEN YEAR  
PERIOD ENDING AUGUST 1963. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-421 701

JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS  
LAB

AN ANNOTATED BIBLIOGRAPHY OF SOVIET LITERATURE ON  
MASERS AND LASERS,

SEP 63 68P BLAU, E. J. 1 (U)

REPT. NO. TG230B1

CONTRACT: N0W62 D604C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•MASERS, BIBLIOGRAPHIES), (•LASERS,  
BIBLIOGRAPHIES), (•BIBLIOGRAPHIES, MASERS), ABSTRACTS,  
SUBJECT INDEXING (U)

IDENTIFIERS: 1963 (U)

THIS BIBLIOGRAPHY LISTS AND ABSTRACTS ALL OF THE  
SOVIET LITERATURE DEALING DIRECTLY WITH MASERS AND  
LASERS PUBLISHED BEFORE 1963. PERIPHERAL ARTICLES,  
ARTICLES WHICH SERVE AS PARTIAL FOUNDATION AND  
GENERAL BACKGROUND TO THE SUBJECT, HAVE BEEN OMITTED.  
THE EARLIEST REFERENCE IS THE DOCTORAL DISSERTATION  
BY V. A. FABRIKANT, DATED 1939. REFERENCES ARE  
GIVEN TO A FEW TRANSLATIONS DATED 1963, BUT IN ALL  
CASES THE ORIGINALS WERE PUBLISHED PRIOR TO THE END  
OF 1962. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-422 890

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

NONLINEAR FIELD THEORIES (ANNOTATED  
BIBLIOGRAPHY).

(U)

DESCRIPTIVE NOTE: REPT. JAN 58-FEB 63.

OCT 63 36P

MONITOR: AID 843 115

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•FIELD THEORY, NON-LINEAR SYSTEMS),  
(•BIBLIOGRAPHIES, FIELD THEORY), PLASMA MEDIUM,  
MATHEMATICAL MODELS, FERMIONS, GRAVITY, EQUATIONS,  
ELEMENTARY PARTICLES, ANTI-PROTONS, PERTURBATION  
THEORY, PIONS, QUANTUM STATISTICS, SCATTERING,  
POLARIZATION, BOSONS, OSCILLATION, DIFFUSION  
IDENTIFIERS: 1963

(U)

(U)

A PRELIMINARY SURVEY OF SOVIET-BLOC MATERIALS  
ON NONLINEAR FIELD THEORIES (ELEMENTARY  
PARTICLES) IS PRESENTED. IT CONSISTS OF  
ANNOTATIONS TO 81 ARTICLES AND 2 BOOKS FROM THE  
PERIOD JANUARY 1958-FEBRUARY 1963. THE ENTRIES  
ARE ARRANGED BY YEAR AND WITHIN THE YEAR BROKEN DOWN  
ALPHABETICALLY BY AUTHOR. A LIST OF THE  
PERIODICALS EMPLOYED IN PREPARING THE REPORT WILL BE  
FOUND BEFORE THE AUTHOR INDEX, TOGETHER WITH THEIR  
LIBRARY OF CONGRESS CALL NUMBERS. THE CALL  
NUMBERS OF THE BOOKS ARE GIVEN IN THE BODY OF THE  
REPORT. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-423 294

MINNESOTA UNIV MINNEAPOLIS INST OF TECH  
ANNOTATED BIBLIOGRAPHY ON ELASTIC WAVES,

(U)

SEP 63 14P DOOLEN, R. B. IANTHAN, S. I

CONTRACT: N0BS86783

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON RESPONSE OF LARGE  
ELASTIC BODIES TO VIBRATORY FORCES ON SMALL  
AREAS.

DESCRIPTORS: (BIBLIOGRAPHIES, MECHANICAL WAVES),  
(MECHANICAL WAVES, BIBLIOGRAPHIES), ELASTICITY,  
PROPAGATION, STRESSES, RODS

(U)

IDENTIFIERS: 1563, ELASTIC WAVES, RAYLEIGH WAVES

(U)

THIS ANNOTATED BIBLIOGRAPHY IS THE RESULT OF A  
LITERATURE SEARCH FOR METHODS OF SOLUTION OF  
SINUSOIDALLY EXCITED, STEADY STATE, ELASTIC WAVE  
PROPAGATION IN EXTENSIVE ELASTIC BODIES. TRANSIENT  
EFFECTS WERE EXCLUDED. PAPERS ON FINITE SYSTEMS  
SUCH AS BEAMS WITH DIFFERENT END CONDITIONS, PLATES  
AND SHELLS WERE EXCLUDED UNLESS THEY CONTRIBUTED  
METHODS USEFUL FOR THE WAVE PROPAGATION PROBLEM.  
THE ANALYSIS OF DISSIPATIVE MEDIA WAS NOT  
SPECIFICALLY EXCLUDED BUT LITTLE WAS FOUND. THE  
PAPERS ARE ROUGHLY DIVIDED INTO TWO MAIN  
CLASSIFICATIONS: THOSE DEALING WITH SPECIFIC WAVE  
PROPAGATION PROBLEMS AND THOSE DEALING WITH MORE  
GENERAL METHODS APPLICABLE TO A WIDE CLASS OF  
PROBLEMS. (AUTHOR)

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-423 735

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
SUPERCONDUCTIVITY, 1961-1962: AN ANNOTATED  
BIBLIOGRAPHY, SUPPLEMENT 1,

(U)

91P GOLDMANN, COMP. BY JACK B. I

REPT. NO. 6 90 63 43 ,5863 33

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*SUPERCONDUCTORS, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, SUPERCONDUCTORS), ABSTRACTS  
IDENTIFIERS: 1963

(U)

(U)

CURRENT THEORY, PROPERTIES AND APPLICATIONS OF  
SUPERCONDUCTORS AS PRESENTED IN THE LITERATURE FOR  
THE YEARS 1961-1962 ARE COVERED IN THIS ANNOTATED  
BIBLIOGRAPHY. THE 196 ENTRIES, REPRESENTING  
ENGLISH AND FOREIGN LANGUAGE PUBLICATIONS ARE  
ARRANGED IN ALPHABETICAL SEQUENCE ACCORDING TO  
AUTHOR. AUTHOR AND SUBJECT INDEXES FACILITATE  
LOCATION OF SPECIFIC ITEMS. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-427 135

WASHINGTON UNIV SEATTLE

CHEMICAL ACTIVATION,

(U)

JAN 64 IV

RABINOVITCH, B. S. I

FLOWERS, M. C. I

CONTRACT: NONR47736

TASK: DBI 217

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (REVIEWS, HEAT OF ACTIVATION), (HEAT OF ACTIVATION, CHEMICAL REACTIONS), (MOLECULES, HEAT OF ACTIVATION), (CHEMICAL REACTIONS, HEAT OF ACTIVATION), EXCITATION, REACTION KINETICS, SURFACES, ENERGY, DECOMPOSITION, MOLECULAR ASSOCIATION, EXCHANGE REACTIONS, LUMINESCENCE, RECOMBINATION REACTIONS, DISPLACEMENT REACTIONS, CYCLOALKANES, HYDROGEN, NITROGEN, OXYGEN, CHLORINE, DISSOCIATION, BIBLIOGRAPHIES, ALKENES, MONOCYCLIC COMPOUNDS, HIGH-TEMPERATURE RESEARCH, MOLECULAR ISOMERISM, NITROGEN COMPOUNDS, CHLORINE COMPOUNDS, CRYOGENICS, CHLORIDES, OXIDES (U)

THIS REVIEW BRINGS TOGETHER KNOWN EXAMPLES OF CHEMICAL ACTIVATIONS SYSTEMS, WHICH HAVE BEEN ACCUMULATING INCREASINGLY IN RECENT YEARS, IN ORDER TO CLARIFY THEIR NATURE AND TO EXEMPLIFY THEIR USEFULNESS. THE MAJOR EMPHASIS IS ON ACTIVATED MOLECULES PRODUCED IN ELECTRONIC GROUND STATES; THESE ARE THE SIMPLEST SYSTEMS. BRIEF MENTION OF SOME REACTIONS INVOLVING ELECTRONIC EXCITATION WILL BE GIVEN, HOWEVER, SINCE THESE INCLUDE IMPORTANT EXAMPLES OF CHEMICAL ACTIVATION. SOME SYSTEMS, SUCH AS ATOM RECOMBINATION, HAVE BEEN STUDIED IN GREAT DETAIL IN RECENT YEARS AND CANNOT BE CONSIDERED HERE AT LENGTH. ION-MOLECULE ACTIVATION REACTIONS ARE ARBITRARILY OMITTED. MANY CHEMICAL ACTIVATION SYSTEMS ARE NOT AMENABLE TO USEFUL DISCUSSION, EITHER BECAUSE OF THEIR COMPLEXITY OR BECAUSE INSUFFICIENT DATA ARE AVAILABLE. ONLY SOME OF THESE NEED BE MENTIONED. THE PRESENT REVIEW IS NOT CONCERNED WITH EXPERIMENTAL TECHNIQUES. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-427 157

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

LUMINESCENCE OF COMPLEX MOLECULES. ANNOTATED  
BIBLIOGRAPHY BASED ON SOVIET OPEN LITERATURE.

(U)

DESCRIPTIVE NOTE: REPT. NO. 1, JULY-DEC 62.

DEC 63 74P

MONITOR: AID B63 125

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*COMPLEX COMPOUNDS, LUMINESCENCE),  
(\*LUMINESCENCE, BIBLIOGRAPHIES), (\*BIBLIOGRAPHIES,  
LUMINESCENCE), (\*FLUORESCENCE, BIBLIOGRAPHIES),  
EXCITATION, LIFE EXPECTANCY, QUANTUM MECHANICS, DYES,  
LASERS, MOLECULAR SPECTROSCOPY, ABSTRACTS (U)  
IDENTIFIERS: 1963, USSR, CHEMILUMINESCENCE (U)

THIS BIBLIOGRAPHY IS BASED ON SOVIET OPEN-SOURCE  
MATERIALS AVAILABLE AT THE AEROSPACE INFORMATION  
DIVISION AND THE LIBRARY OF CONGRESS AND COVERS  
THE PERIOD FROM JULY THROUGH DECEMBER 1962.  
BECAUSE OF ITS BROAD IMPLICATIONS, PERTINENT  
INFORMATION APPEARING BETWEEN JANUARY AND JUNE  
1962 WAS ALSO INCLUDED AS WELL AS REFERENCES IN SOME  
ENTRIES TO EARLIER WORK ON THE SAME SUBJECT. THE  
SUBJECTS OF ELECTRONIC AND VIBRATIONAL SPECTRA OF  
COMPLEX ORGANIC MOLECULES, LIFETIME OF EXCITED  
STATES, QUANTUM YIELD, QUENCHING, POLARIZATION, AND  
KINETICS OF LUMINESCENCE OF COMPLEX ORGANIC MOLECULES  
ARE COVERED. CERTAIN PHYSICAL PROPERTIES OF MATTER  
RELEVANT TO LUMINESCENCE AND WITH THEORETICAL ASPECTS  
OF MOLECULAR SPECTROSCOPY, INTERNAL ENERGY-CONVERSION  
PROCESSES, AND INTRA- OR INTERMOLECULAR ENERGY  
TRANSFER IN LUMINESCENT COMPLEX ORGANIC MOLECULES ARE  
ALSO PRESENTED. APPLICATIONS ARE INCLUDED OF  
LUMINESCENCE, MAINLY TO GENERATION OF COHERENT LIGHT  
(LASERS). ANNOTATIONS HAVE BEEN PROVIDED IN ALL  
CASES WHERE ABSTRACTS ARE NOT AVAILABLE. (AUTHOR)

(U)

UNCLASSIFIED

ODC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-427 339

MIDWEST RESEARCH INST KANSAS CITY MO

THE STRUCTURE AND STRENGTH OF EPITAXIAL FILMS. (U)

DESCRIPTIVE NOTE: BIMONTHLY PROGRESS REPT. NO. 1, 17

OCT-17 DEC 63,

JAN 64 18P LAVIK, MELVIN I

CUNNINGHAM, ARTHUR I

CONTRACT: N0W64 00610

PROJ: 2742P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•EPITAXIAL GROWTH, FILMS), (•FILMS,

SINGLE CRYSTALS), (•REVIEWS, FILMS),

(•BIBLIOGRAPHIES, FILMS), CRYSTAL GROWTH,, SINGLE

CRYSTALS, SCIENTIFIC RESEARCH, CRYSTAL LATTICE

DEFECTS, IMPURITIES, MECHANICAL PROPERTIES (U)

IDENTIFIERS: 1964 (U)

LITERATURE HAS BEEN REVIEWED AND CATEGORIZED WITH A CODING SYSTEM. A SUMMARY OF THE LITERATURE IS INCLUDED ALONG WITH A BRIEF OUTLINE OF FUTURE WORK TO BE ACCOMPLISHED DURING THE SECOND REPORT PERIOD.

THE CODED BIBLIOGRAPHY CONTAINING APPROXIMATELY ONE HUNDRED REFERENCES IS INCLUDED. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-427 728

UNITED STATES RUBBER CO WAYNE N J  
LITERATURE SEARCH INTO METHODS OF DAMPING OUT  
INCIPIENT TURBULENCE IN THE FLOW OF LIQUIDS. (U)  
DESCRIPTIVE NOTE; FINAL REPT.,  
JAN 64 IV THOMPSEN, J. BOGGS, F. W. I  
TOKITA, N. I  
CONTRACT! DA30 069AMC287T  
PROJ! RC100 63 23

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•TURBULENCE, FLUID FLOW), (•LIQUIDS,  
DAMPING), (•DAMPING, BIBLIOGRAPHIES),  
(•BIBLIOGRAPHICS, DAMPING), (•ABSTRACTS, DAMPING),  
LAMINAR FLOW, TURBULENT BOUNDARY LAYER, INCOMPRESSIBLE  
FLOW, FLAT PLATE MODELS, PIPES, TRANSITION  
TEMPERATURE, COATINGS (U)  
IDENTIFIERS: 1964 (U)

THE PROBLEM OF DELAYING TRANSITION FROM LAMINAR TO  
TURBULENT FLOW HAS LONG BEEN UNDER INVESTIGATION.  
THIS REPORT PRESENTS A BIBLIOGRAPHY ON THE WORK  
THAT HAS BEEN DONE FOR THE LAST 40 TO 50 YEARS ON  
THIS PROBLEM OF TRANSITION, SPECIFICALLY FOR  
INCOMPRESSIBLE FLOW, OVER FLAT PLATES OR IN PIPES.  
THE ARTICLES INCLUDED IN THIS LIST ARE CONCERNED  
WITH TWO QUESTIONS: (1) WHAT IS THE MECHANISM  
OF TRANSITION, AND (2) HOW CAN TRANSITION BE  
DELAYED. ALTHOUGH AN EXTENSIVE AMOUNT OF WORK HAS  
BEEN DONE AND IS STILL BEING DONE ON THE PROBLEM OF  
DELAYING TRANSITION ON RELATIVELY FLAT SURFACES BY  
MEANS OF COMPLIANT COATINGS, IT DOES NOT APPEAR  
FEASIBLE TO EXTEND THIS METHOD TO PIPES EXCEPT TO A  
LIMITED EXTENT. HOWEVER, RECENT WORK HAS INDICATED  
THAT THE ADDITION OF NONNEWTONIAN ADDITIVES TO THE  
FLOW MAY BE A PROMISING WAY OF DELAYING TRANSITION IN  
PIPING SYSTEMS, SUCH AS HYDPAULIC LINE, NORMALLY  
FOUND IN INDUSTRY. IT SHOULD BE NOTED THAT  
REDUCTION OF NOISE IN PIPES IS POSSIBLE WITH THE USE  
OF FLEXIBLE SURFACES. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-427 795

MARYLAND UNIV COLLEGE PARK  
MANY-BODY PROBLEM.

(U)

DESCRIPTIVE NOTE: REPT. FOR DEC 62-DEC 63,  
DEC 63 9P FERRELL, RICHARD A. I  
CONTRACT: NONR1797 00

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*NUCLEAR PHYSICS, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, NUCLEAR PHYSICS), BREMSSTRAHLUNG,  
ISOTOPIES, NUCLEAR SPINS, NUCLEAR RESONANCE, THEORY,  
DYNAMICS, ERBIUM, NUCLEONS, DAMPING, VIBRATION,  
ROTATION, NUCLEAR REACTIONS, PHOTONUCLEAR REACTIONS,  
ANALYSIS

(U)

IDENTIFIERS: 1963, MANY-BODY PROBLEM

(U)

BIBLIOGRAPHY ON NUCLEAR PHYSICS, APPLICABLE TO THE MANY-  
BODY PROBLEM.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-430 549

GEORGIA INST OF TECH ATLANTA ENGINEERING EXPERIMENT  
STATION

MANUSCRIPT OF CATALOGUE, VOLUME 9. A SECOND RADIO  
FREQUENCY INTERFERENCE BIBLIOGRAPHY, WITH ABSTRACTS.  
ELECTRONIC EQUIPMENT INTERFERENCE CHARACTERISTICS-  
COMMUNICATION TYPE, (U)

DEC 63 352P WOOD, E. W. ROSE, J. W. I

CONTRACT: DA36 039AMC02294E

PROJ: 3824 01 001, A670

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•RADIOFREQUENCY INTERFERENCE,  
BIBLIOGRAPHIES), (•ELECTRONIC EQUIPMENT,  
RADIOFREQUENCY INTERFERENCE), (•BIBLIOGRAPHIES,  
RADIOFREQUENCY INTERFERENCE), ABSTRACTS, PULSE  
COMMUNICATION SYSTEMS, ELECTROMAGNETIC WAVES,  
INDEXES (U)

IDENTIFIERS: 1963 (U)

THIS BIBLIOGRAPHY, WITH ABSTRACTS, IS THE RESULT OF  
A CONTINUED LITERATURE SEARCH BEING CONDUCTED IN  
CONJUNCTION WITH THE MEASUREMENTS PORTION ON A  
RESEARCH PROGRAM FOR DEVELOPING TESTS AND TEST  
PROCEDURES FOR DETERMINING THE INTERFERENCE  
CHARACTERISTICS OF U. S. ARMY PULSE TYPE  
COMMUNICATIONS SYSTEMS. THE BIBLIOGRAPHY CONTAINS  
OVER 1150 TITLES, SUMMARIES, AND ABSTRACTS OF  
PUBLISHED WORKS RELATED TO RADIO FREQUENCY  
INTERFERENCE AND ELECTROMAGNETIC COMPATIBILITY DURING  
THE PERIOD FROM JANUARY 1960 TO JUNE 1963. THE  
ACCUMULATED REFERENCES FROM MORE THAN 50 SOURCES  
SHOULD BE USEFUL IN ALL PHASES OF RFI  
INVESTIGATIONS RANGING FROM THE PRACTICAL ELIMINATION  
OF TVI TO THE THEORETICAL DISCUSSION OF SIGNAL  
DETECTION FOR VARIOUS INTERFERENCE ENVIRONMENTS.  
AN AUTHOR INDEX AND A SUBJECT INDEX CONTAINING 68  
CATEGORIES ARE INCLUDED TO AID THE RESEARCHER IN  
FINDING PERTINENT SUBJECT INFORMATION. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-431 286

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

SUPERSONIC AND HYPERSONIC FLOW, ANNOTATED  
BIBLIOGRAPHY OF SOVIET LITERATURE.

(U)

JAN 64 93P

MONITOR: AID B64 3, 1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•HYPERSONIC FLOW, BIBLIOGRAPHIES),  
(•SUPERSONIC FLOW, BIBLIOGRAPHIES), (•AERODYNAMIC  
CONFIGURATIONS, FLUID FLOW), BOUNDARY LAYER, BOUNDARY  
LAYER PROBLEMS, SHOCK WAVES, TURBULENCE, NOZZLES,  
DIFFUSERS, WIND TUNNELS, BLUNT BODIES, WEDGES, SPIKES,  
ABLATION, HEAT TRANSFER, COMPRESSIBLE FLOW, GAS FLOW,  
SLENDER BODIES, DISKS, STRUCTURAL SHELLS, BODIES OF  
REVOLUTION, LIFT, DRAG, GEOMETRIC FORMS, CURVED  
PROFILES, CYLINDRICAL BODIES

(U)

IDENTIFIERS: 1943, 1963, 1964, USSR, FREE MOLECULAR  
FLOW, POTENTIAL FLOW THEORY

(U)

THIS REPORT IS DIVIDED INTO THREE MAIN SECTIONS:  
AERODYNAMICS, GASDYNAMICS, AND GENERAL FLOW  
PHENOMENA. AN ATTEMPT IS MADE IN THE FIRST  
SECTION TO COVER DYNAMIC PHENOMENA ASSOCIATED WITH  
THE HIGH-VELOCITY FLOW OF GASES OVER BODIES,  
INCLUDING RAREFIED AND FREE-MOLECULAR FLOW. THE  
SECOND SECTION COVERS THE PROBLEMS ASSOCIATED WITH  
INTERNAL FLOW, E. G., FLOW IN NOZZLES, WIND TUNNELS,  
AND SHOCK TUBES. SIMILARITY CONCEPTS ARE ALSO  
INCLUDED IN THIS SECTION. THE THIRD SECTION DEALS  
WITH GENERAL FLOW PHENOMENA AT SUPERSONIC AND  
HYPERSONIC VELOCITIES. (AUTHOR)

(U)



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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-431 608

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
WIND WAVES AND SEA SLOPE MEASUREMENT: AN ANNOTATED  
BIBLIOGRAPHY.

(U)

61P STROMER, PETER R. I

REPT. NO. 6 90 63 78 ,SRP63 4

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*WATER WAVES, BIBLIOGRAPHIES), WIND,  
AERIAL PHOTOGRAPHY, LIGHT, LIGHT TRANSMISSION, OCEAN  
WAVES, OCEANOLOGY, UNDERWATER LIGHT, UNDERWATER  
PHOTOGRAPHY, WIND TUNNELS

(U)

IDENTIFIERS: 1963, SEA SLOPE

(U)

THIS BIBLIOGRAPHY CITES 134 REFERENCES ON THE  
RELATED SUBJECTS OF WIND WAVES AND SEA SLOPE  
MEASUREMENT. OCEANOGRAPHIC MEASUREMENTS REPORTED  
IN THE BIBLIOGRAPHY HAVE EMPHASIZED OPTICAL  
TECHNIQUES, LIGHT TRANSMISSION IN SEA WATER, ETC.  
THE PERIOD OF LITERATURE COVERAGE IS FROM 1948  
THROUGH JUNE 1963. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-434 712

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

DETECTION OF THE TRIPLET STATE BY EPR AND OTHER  
METHODS. COMPILATION OF ABSTRACTS BASED ON SOVIET  
OPEN LITERATURE. (U)

MAR 64 44P

MONITOR: AID P64 17

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*ABSTRACTS, SPECTROSCOPY),  
(\*LUMINESCENCE, ABSTRACTS), (\*BIBLIOGRAPHIES,  
LUMINESCENCE), (\*REVIEWS, SPECTROSCOPY), DYES, ATOMIC  
ENERGY LEVELS, ALKALI METAL COMPOUNDS, EXCITATION,  
ELECTRON TRANSITIONS, LINE SPECTRUM (U)  
IDENTIFIERS: 1964, ELECTRON PROTON RESONANCE, TRIPLET  
STATE, USSR (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-436 090

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
AERODYNAMIC HEATING AND OTHER PARAMETERS AFFECTING  
SPACE VEHICLE OPERATIONS: AN ANNOTATED  
BIBLIOGRAPHY, (U)

FEB 63 44P GROS, CHARLES G. I

REPT. NO. 63 18, REPT. NO. 3 35 63 2

CONTRACT: AFO4 647 673

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (BIBLIOGRAPHIES, AERODYNAMIC HEATING),  
(AERODYNAMIC HEATING, BIBLIOGRAPHIES), SPACECRAFT,  
GUIDED MISSILES (SURFACE-TO-SURFACE), ABSTRACTS (U)  
IDENTIFIERS: 1963 (U)

SINCE THIS WORK TREATS OF A COMPLEX OF SPACE  
ENVIRONMENTAL PARAMETERS HAVING IN COMMON THE  
INCLUSION OF AERODYNAMIC HEATING AS ONE OF THOSE  
PARAMETERS, MATERIAL DEALING WITH AERODYNAMIC HEATING  
AS AN ISOLATED PHENOMENON HAS NOT BEEN INCLUDED.  
THE ABSTRACTS ARE ARRANGED ALPHABETICALLY BY  
AUTHOR. CORPORATE AUTHOR, PERSONAL AUTHOR, AND  
SUBJECT INDEXES ARE INCLUDED. THE PERIOD COVERED,  
WITH ONE EARLIER EXCEPTION, IS FROM 1959 THROUGH  
1962. THE RESOURCES OF THE TECHNICAL  
INFORMATION CENTER, LOCKHEED MISSILES AND  
SPACE COMPANY, WERE UTILIZED. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-437 308

NATIONAL BUREAU OF STANDARDS WASHINGTON D C  
RESEARCH ON CRYSTAL GROWTH AND CHARACTERIZATION AT  
THE NATIONAL BUREAU OF STANDARDS, JULY TO DECEMBER  
1963,

(U)

APR 64 67P PEISER, H. STEFFEN I  
MONITOR: NBS TN236

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: ALSO AVAILABLE FROM GOVERNMENT  
PRINTING OFFICE, WASH., D. C. PRICE \$40.

DESCRIPTORS: (CRYSTAL GROWTH, SCIENTIFIC  
RESEARCH), ABSTRACTS, DOCUMENTATION, PHYSICAL  
PROPERTIES, RESEARCH PROGRAM ADMINISTRATION,  
SCIENTIFIC PERSONNEL, CRYSTAL STRUCTURE, CRYSTAL  
LATTICE DEFECTS, MATERIALS, SPECTROSCOPY,  
SUPERCONDUCTIVITY, CHEMISTRY, NUCLEAR MAGNETIC  
RESONANCE, BIBLIOGRAPHIES, CRYSTALLIZATION

(U)

THE NATIONAL BUREAU OF STANDARDS WITH PARTIAL  
SUPPORT FROM THE ADVANCED RESEARCH PROJECTS  
AGENCY IS CONTINUING DIVERSE RESEARCH PROJECTS ON  
THE GROWTH AND CHARACTERIZATION OF CRYSTALS. THIS  
NOTE SUMMARIZES THE INDIVIDUAL NBS ACTIVITIES IN  
THIS AND CLOSELY RELATED FIELDS DURING JULY TO  
DECEMBER, 1963. LISTS OF NBS PUBLICATIONS  
APPERTAINING TO THAT PERIOD AND OF PARTICIPATING  
NBS SCIENTISTS ARE APPENDED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-438 180

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
SUPERCONDUCTIVITY JANUARY-JUNE 1963: AN ANNOTATED  
BIBLIOGRAPHY.

(U)

118P GOLDMANN, JACK B. I

REPT. NO. 6 90 63 79 ,SRD 63 5

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (SUPERCONDUCTIVITY, BIBLIOGRAPHIES),  
SUPERCONDUCTORS, CONDUCTIVITY, TRANSITION TEMPERATURE,  
MAGNETIC FIELDS, DEFORMATION, THEORY (U)  
IDENTIFIERS: THIN FILMS (U)

CURRENT THEORY, PROPERTIES, AND APPLICATIONS OF  
SUPERCONDUCTORS AS PRESENTED IN THE LITERATURE FROM  
JANUARY TO JUNE 1963, ARE COVERED IN THIS  
ANNOTATED BIBLIOGRAPHY. THE 242 ENTRIES,  
REPRESENTING ENGLISH AND FOREIGN LANGUAGE  
PUBLICATIONS, ARE LISTED ALPHABETICALLY BY AUTHOR.  
TO FACILITATE LOCATION OF SPECIFIC TERMS, AUTHOR  
AND SUBJECT INDEXES ARE INCLUDED. THIS WORK IS THE  
THIRD IN A SERIES OF BIBLIOGRAPHIES REPORTING CURRENT  
PUBLICATIONS IN THE FIELD OF SUPERCONDUCTIVITY.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-438 181

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
SUPERCONDUCTIVITY, 1961-1962: AN ANNOTATED  
BIBLIOGRAPHY,

(U)

APR 63 206P GOLDMANN, JACK B. 1

REPT. NO. 6 90 63 43 SB63 33

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (=SUPERCONDUCTIVITY, BIBLIOGRAPHIES),  
TRANSITION TEMPERATURE, DEFORMATION, THERMAL  
CONDUCTIVITY, SUPERCONDUCTORS, THEORY  
IDENTIFIERS: THIN FILMS

(U)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-447 717

FEDERAL AVIATION AGENCY WASHINGTON D C

SONIC BOOM BIBLIOGRAPHY,

SEP 64 11P FRIEDMAN, ROBERT K. 1

(U)

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•SONIC BOOM, BIBLIOGRAPHIES),

(•BIBLIOGRAPHIES, SONIC BOOM), URBAN AREAS, ATTITUDES,

SUPERSONIC FLIGHT, TRANSPORT PLANES

(U)

IDENTIFIERS: 1964

(U)

THIS BIBLIOGRAPHY ON SONIC BOOM HAS BEEN COMPILED  
IN RESPONSE TO A SPECIFIC REQUEST. NO CLAIM IS  
MADE THAT THESE 193 CITATIONS COMPRISE AN EXHAUSTIVE  
OR CRITICAL COMPILATION. THE INCLUSION OF ANY  
REFERENCE TO MATERIAL IS NOT TO BE CONSTRUED AS AN  
ENDORSEMENT OF THE INFORMATION CONTAINED IN THAT  
MATERIAL. THE REFERENCE SEARCH WAS COMPLETED  
AUGUST 28, 1964. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-451 321

BATTELLE MEMORIAL INST COLUMBUS OHIO

LATERAL VIBRATIONS IN MISSILES: A BIBLIOGRAPHY, (U)

47P HURLBERT, L. E. IBELTON, W. L.

TATTERBURY, T. J. I

CONTRACT: DA01 021AMC2032

MONITOR: RSIC 266

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (=VIBRATION, DAMPING), (=BIBLIOGRAPHIES,  
VIBRATION), GUIDED MISSILES, CYLINDRICAL BODIES, BEAMS  
(STRUCTURAL), MATERIALS, STRUCTURAL SHELLS (U)

IDENTIFIERS: LATERAL VIBRATIONS, TRANSVERSE  
VIBRATIONS, CYLINDRICAL SHELLS (U)

THIS BIBLIOGRAPHY CONSISTS OF 377 ENTRIES, AND  
CONTAINS THE RESULTS OF A TITLE SURVEY CONDUCTED TO  
OBTAIN LITERATURE RELATED TO THE PROBLEM OF DAMPING  
THE TRANSVERSE VIBRATION OF LARGE MISSILES. THE  
TITLES ARE GROUPED INTO THREE CATEGORIES COVERING  
FREE VIBRATIONS, DAMPED VIBRATIONS, AND MATERIAL  
DAMPING PROPERTIES. ONLY PAPERS PUBLISHED IN  
ENGLISH AFTER 1940 ARE INCLUDED. (AUTHOR) (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-451 426

JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS  
LAB

AN ANNOTATED BIBLIOGRAPHY ON PLASMAS IN CUSPED  
MAGNETIC FIELDS AND SIMILAR GEOMETRIES, (U)

AUG 64 46P BLAU, E. J. I

REPT. NO. TG23084

CONTRACT: NON62 0604C

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•PLASMA MEDIUM, MAGNETIC FIELDS),

(•MAGNETIC FIELDS, BIBLIOGRAPHIES),

(•MAGNETOHYDRODYNAMICS, BIBLIOGRAPHIES),

(•BIBLIOGRAPHIES, MAGNETIC FIELDS), PLASMA PHYSICS,

THERMONUCLEAR REACTIONS, GEOMETRY, ABSTRACTING (U)

IDENTIFIERS: CONTROLLED NUCLEAR FUSION, CUSPED

GEOMETRY (U)

PLASMAS IN CUSPED MAGNETIC FIELDS.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-451 643

NAVY UNDERWATER SOUND LAB NEW LONDON CONN  
UNDERWATER REVERBERATION AS A FACTOR IN ASW  
ACOUSTICS,

(U)

SEP 64 115P BARAKOS, PETER A. I

REPT. NO. 620

PROJ: 1 405 00 00

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (=UNDERWATER SOUND, SYMPOSIA),  
(=SYMPOSIA, UNDERWATER SOUND), VIBRATION, GREAT  
BRITAIN, CANADA, UNITED STATES, BIBLIOGRAPHIES,  
ANTISUBMARINE WARFARE, SCATTERING, OCEAN BOTTOM, SONAR  
RECEIVERS, PROPAGATION, FREQUENCY (U)

IDENTIFIERS: REVERBERATION (U)

IN SEPTEMBER 1961, EXPERTS ON REVERBERATION FROM  
THE UNITED STATES, THE UNITED KINGDOM, AND  
CANADA ATTENDED A FOUR-DAY SEMINAR AT THE NAVAL  
RESEARCH ESTABLISHMENT IN DARTMOUTH, NOVA  
SCOTIA. THIS REPORT PRESENTS A COMPREHENSIVE  
REVIEW OF THE DISCUSSIONS AT THE MEETING AND  
SUMMARIZES THE CONCLUSIONS AND RECOMMENDATIONS THAT  
REPRESENT BASICALLY THE IDEAS AND THOUGHTS OF A GROUP  
OF MANY OF THE FOREMOST AUTHORITIES ON REVERBERATION  
AND ITS MANY RAMIFICATIONS. THE AUTHOR HAS ADDED  
SOME MATERIAL, PRINCIPALLY ON THE STATISTICAL NATURE  
AND MECHANISMS OF REVERBERATION. ALSO INCLUDED IS  
AN EXTENSIVE BIBLIOGRAPHY DEALING WITH THE SUBJECT OF  
REVERBERATION. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-455 161

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

COMPOUND SEMICONDUCTORS. ANNOTATED BIBLIOGRAPHY.

(U)

DESCRIPTIVE NOTE: REPT. NO. 2, 1 JAN-1 JUL 63.

AUG 64 39P

REPT. NO. U 64 90

TASK: 12

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON SURVEYS OF SOVIET-BLOC  
SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (\*SEMICONDUCTORS, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, SEMICONDUCTORS), USSR, MATERIALS,  
ELECTRICAL PROPERTIES, SEMICONDUCTING FILMS, ANTIMONY  
ALLOYS, ARSENIC ALLOYS, CRYSTALS, ELECTRICAL  
CONDUCTANCE, LUMINESCENCE, OXIDES, PHOSPHIDES,  
SELENIUM ALLOYS, SULFIDES, TELLURIUM ALLOYS

(U)

THIS ANNOTATED BIBLIOGRAPHY IS BASED ON SOVIET  
OPEN-SOURCE MATERIAL AVAILABLE AT THE AEROSPACE  
TECHNOLOGY DIVISION AND THE LIBRARY OF  
CONGRESS, AND COVERS MAINLY THE PERIOD FROM 1  
JANUARY TO 1 JULY 1963. IT IS SUPPLEMENTED BY  
THREE APPENDIXES: (1) A CLASSIFICATION OF  
ENTRIES BY KEY WORDS, (2) AN INDEX OF  
PERSONALITIES, AND (3) AN INDEX OF FACILITIES.  
ITEMS IN THESE THREE APPENDIXES ARE KEYED TO ENTRY  
NUMBERS. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-455 166

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

ORGANIC SEMICONDUCTORS.

(U)

DESCRIPTIVE NOTE: BIBLIOGRAPHY FOR 1960-1963.

JUL 64 47P

REPT. NO. U64 82

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON SURVEYS OF SOVIET-BLOC  
SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (.SEMICONDUCTORS, ORGANIC COMPOUNDS),  
(.BIBLIOGRAPHIES, SEMICONDUCTORS), USSR,  
PHthalOCYANINES, CHLOROPHYLLS, POLYMERS, AROMATIC  
COMPOUNDS, ALKENES, VINYL PLASTICS, FERROCENES,  
PYRIDINES, NITRILES, COMPLEX COMPOUNDS, ORGANIC SULFUR  
COMPOUNDS, METALORGANIC COMPOUNDS, QUINONES (U)  
IDENTIFIERS: CHELATE COMPOUNDS, ALKYNES (U)

THIS PRELIMINARY BIBLIOGRAPHY IS BASED ON SOVIET  
OPEN SOURCE MATERIALS AVAILABLE AT THE AEROSPACE  
TECHNOLOGY DIVISION AND THE LIBRARY OF  
CONGRESS AND COVERS FIVE SOVIET PERIODICALS FOR  
THE PERIOD 1960-1963. THE PERIODICALS, ALONG WITH  
AVAILABLE TRANSLATION JOURNALS, ARE LISTED.  
LIBRARY OF CONGRESS CALL NUMBERS ARE PROVIDED FOR  
BOTH ORIGINAL SOURCES AND THE TRANSLATION JOURNALS.  
THESE JOURNALS WERE SELECTED FOR THE PRELIMINARY  
REPORT ON THE BASIS OF FREQUENCY OF REFERENCE TO THEM  
IN THE MAJOR BOOK FOUND ON THE SUBJECT,  
ORGANIC SKIYE POLUPROVODNIKI (ORGANIC  
SEMICONDUCTORS), MOSCOW, 1963, EDITED BY THE LATE  
ACADEMICIAN A. V. YOPCHIEV. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-456 758

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

COMPOUND SEMICONDUCTORS. ANNOTATED  
BIBLIOGRAPHY.

(U)

DESCRIPTIVE NOTE: BIBLIOGRAPHY FOR 1961-1963.

JUN 64 148P

REPT. NO. AID U 64 58

TASK: 12

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON SURVEYS OF SOVIET-BLOC  
SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (SEMICONDUCTORS, BIBLIOGRAPHIES),  
(BIBLIOGRAPHIES, SEMICONDUCTORS), USSR, CHEMICAL  
COMPOUNDS

(U)

THIS ANNOTATED BIBLIOGRAPHY IS BASED ON SOVIET  
OPEN SOURCE MATERIAL OF THE PERIOD FROM 1961 TO 1963.  
THE BIBLIOGRAPHY IS DIVIDED INTO THREE PARTS:

(1) AIIIBV COMPOUNDS, (2) AIIIBVI  
COMPOUNDS, AND (3) AIVBIV COMPOUNDS.

SOURCES ARE GIVEN FOR ENGLISH TRANSLATIONS OR  
ABSTRACTS, WHICH ARE AVAILABLE FOR ALL THE PAPERS.  
THE ENTRIES ARE ARRANGED ALPHABETICALLY BY AUTHORS.  
THEORETICAL AND EXPERIMENTAL MATERIAL AND REVIEW  
ARTICLES WERE INCLUDED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-456 759

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

LUMINESCENCE OF COMPLEX MOLECULES. ANNOTATED  
BIBLIOGRAPHY.

(U)

DESCRIPTIVE NOTE: QUARTERLY REPT. NO. 1, JAN-MAR 63.

JUN 64 53P

REPT. NO. 2 U 64 59

TASK: 4

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPORT ON SURVEYS OF SOVIET-BLOC  
SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (+LUMINESCENCE, BIBLIOGRAPHIES),  
(+BIBLIOGRAPHIES, LUMINESCENCE), ABSTRACTS, USSR

(U)

ANNOTATED BIBLIOGRAPHY OF SOVIETBLOC LITERATURE ON  
LUMINESCENCE COMPLEX MOLECULE.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-456 765

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

THEORETICAL PLASMA PHYSICS AND DYNAMICS. ANNOTATED  
BIBLIOGRAPHY. (U)

DESCRIPTIVE NOTE: BIBLIOGRAPHY FOR 1958-MAY 64.

AUG 64 215P

REPT. NO. U64 83

TASK: 36A

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (PLASMA PHYSICS, BIBLIOGRAPHIES),  
(USSR, PLASMA PHYSICS), THEORY, SHOCK WAVES,  
PROPAGATION, KINETIC THEORY, OSCILLATION, STABILITY,  
ABSTRACTING (U)

THIS REPORT HAS BEEN PREPARED IN RESPONSE TO ATO  
WORK ASSIGNMENT NO. 35, TASK 36A. IT IS A  
SURVEY IN THE FORM OF AN ANNOTATED BIBLIOGRAPHY OF  
SOVIET LITERATURE ON WAVE PROPAGATION IN PLASMA,  
SHOCK WAVES, AND THE KINETIC THEORY OF PLASMA. IT  
HAS BEEN COMPILED FROM OPEN LITERATURE ON PLASMA  
RESEARCH PUBLISHED IN THE SOVIET UNION AND  
SOVIET-BLOC COUNTRIES DURING THE PERIOD 1958 TO  
MAY 1964 AND AVAILABLE AT THE LIBRARY OF  
CONGRESS AND THE AEROSPACE TECHNOLOGY  
DIVISION. THE 452 ENTRIES ARE ARRANGED  
CHRONOLOGICALLY IN 6 SECTIONS ACCORDING TO SPECIFIC  
PROBLEMS IN ORDER TO PRESENT AN OUTLINE OF THE  
PROGRESS OF SOVIET RESEARCH IN THE FIELD. A LIST  
OF PERIODICALS EXPLOITED INCLUDING THEIR LIBRARY OF  
CONGRESS CALL NUMBERS IS GIVEN AT THE END.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-460 445

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

GROWTH OF SINGLE CRYSTALS.

(U)

DESCRIPTIVE NOTE: ANNOTATED BIBLIOGRAPHY ON SURVEYS OF  
SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.

MAY 64 72P

REPT. NO. ATD-U-64-46

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*CRYSTAL GROWTH, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, SINGLE CRYSTALS), (\*SCIENTIFIC  
RESEARCH, EASTERN EUROPE), HIGH-PRESSURE RESEARCH

(U)

THIS REPORT IS BASED ON SOVIET AND EAST  
EUROPEAN OPEN SOURCE MATERIALS AVAILABLE AT THE  
AEROSPACE INFORMATION DIVISION AND THE  
LIBRARY OF CONGRESS AND COVERS 1962. THE 126  
ENTRIES ARE DIVIDED INTO TWO PARTS AND ARRANGED IN  
ALPHABETICAL ORDER BY AUTHOR WITHIN EACH PART, IN THE  
SAME MANNER AS IN THE FIRST REPORT. ANNOTATIONS  
HAVE BEEN PROVIDED IN ALL CASES WHERE ABSTRACTS ARE  
NOT AVAILABLE, EXCEPT IN THE CASES WHERE THE ORIGINAL  
SOURCES WERE NOT ON HAND. A MODIFIED FORMAT HAS  
BEEN SELECTED FOR THIS REPORT IN ORDER TO FACILITATE  
ITS USE. CODED TOPIC TAGS AND DESCRIPTORS ARE  
ASSIGNED TO EACH ENTRY. THE TOPIC TAGS LOCATED  
UNDER SUBJECT INDEX NO. AT THE BOTTOM OF EACH ENTRY  
REPRESENT THE BROAD AND THE NARROW CONCEPTS RELEVANT  
TO THE SUBJECT OF A PARTICULAR ENTRY, WHILE THE  
DESCRIPTORS REFLECT THE CONTENTS OF THE ARTICLE  
REPORTED AND ARE NOT NECESSARILY THE SAME AS TOPIC  
TAGS. EACH TOPIC TAG IS CODED USING A BINARY SYSTEM  
IN WHICH THE BROADER CONCEPT IS REPRESENTED BY A  
NUMBER AND THE LIMITING OR NARROW CONCEPT OR SUBCLASS  
BY A LETTER. (AUTHOR)

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-461 871

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

PARTICLE-BEAM INTERACTION WITH PLASMA. COMPILATION  
OF ABSTRACTS. (U)

DESCRIPTIVE NOTE; SURVEYS OF SOVIET-BLOC SCIENTIFIC AND  
TECHNICAL LITERATURE.

APR 65 121P

REPT. NO. ATD-P-65-20

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•PARTICLE BEAMS, BIBLIOGRAPHIES),  
(•BIBLIOGRAPHIES, PARTICLE BEAMS), USSR, PLASMA  
PHYSICS, PLASMA OSCILLATIONS, MAGNETOHYDRODYNAMICS,  
EXCITATION, ELECTRON BEAMS, MAGNETIC FIELDS, CHARGED  
PARTICLES (U)

PARTICLE-BEAM INTERACTION WITH PLASMA.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-462 245

REDSTONE SCIENTIFIC INFORMATION CENTER REDSTONE ARSENAL  
ALA

LASERS,

(U)

APR 64

42P

CARAS, GUS J. I

REPT. NO. RSIC-195

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*LASERS, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, LASERS), REVIEWS, RUBY, MEDICAL  
RESEARCH, DETECTION, COMMUNICATION SYSTEMS, GUIDANCE,  
MANUFACTURING METHODS, FIBER OPTICS, GALLIUM ALLOYS,  
INDIUM ALLOYS, SILICON ALLOYS, ARSENIDES, PHOSPHIDES,  
ANTIMONY ALLOYS, CRYOGENICS, PUMPING (ELECTRONICS),  
FREQUENCY (U)

IDENTIFIERS: OPTICAL PUMPING, FOUR-LEVEL LASERS, GAS  
LASERS, LIQUID LASERS, SEMICONDUCTOR LASERS, SOLID  
STATE LASERS (U)

THIS STATE-OF-THE-ART SURVEY CONSISTS OF TWO  
SECTIONS, A TECHNICAL SUMMARY AND A BIBLIOGRAPHY.  
ALTHOUGH THE BIBLIOGRAPHY, WHICH CONSISTS OF 125  
REFERENCES AND COVERS THE PERIOD OF 1 JANUARY 1963  
TO 31 DECEMBER 1963 DEALS MOSTLY WITH THE SUBJECT  
OF LASER PUMPING, THE SUMMARY REVIEWS OTHER TOPICS OF  
LASER TECHNOLOGY INCLUDING A DESCRIPTION OF THE  
VARIOUS TYPES OF LASERS AND THEIR POTENTIAL  
APPLICATIONS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-462 668

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
NOZZLE EXHAUST GASES + BASE FLOW MIXING  
PHENOMENA.

(U)

DESCRIPTIVE NOTE: SPECIAL BIBLIOGRAPHY,  
OCT 59 9P CARROLL, K. D. I  
REPT. NO. SB-59-8

UNCLASSIFIED REPORT

DISTRIBUTION: MICROFICHE ONLY AFTER ORIGINAL COPIES  
EXHAUSTED.

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•JET MIXING FLOW, BIBLIOGRAPHIES),  
(•BASE FLOW, BIBLIOGRAPHIES), ROCKET MOTOR NOZZLES,  
NOZZLE GAS FLOW, EXHAUST GASES, SUPERSONIC FLOW,  
TURBULENCE, VORTICES, TEMPERATURE, PRESSURE, VELOCITY,  
HEAT TRANSFER (U)

IDENTIFIERS: BASE TEMPERATURE, BASE PRESSURE (U)

NOZZLE EXHAUST GASES BASE FLOW MIXING PHENOMENA.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-462 680

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
LIGHT, VISIBILITY AND VISION.

(U)

DESCRIPTIVE NOTE: SPECIAL BIBLIOGRAPHY,

JUL 59 20P CARROLL, K. D. I

REPT. NO. SB-59-23

UNCLASSIFIED REPORT

DISTRIBUTION: MICROFICHE ONLY AFTER ORIGINAL COPIES  
EXHAUSTED.

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*BIBLIOGRAPHIES, LIGHT),  
(\*BIBLIOGRAPHIES, VISIBILITY), (\*BIBLIOGRAPHIES,  
VISION), (\*LIGHT, BIBLIOGRAPHIES), (\*VISION,  
BIBLIOGRAPHIES), (\*VISIBILITY, BIBLIOGRAPHIES),  
SCATTERING, MOON, VISUAL PERCEPTION, EYE, COLORS,  
CORRELATORS, XENON LAMPS, OPTICS, OPTICAL PROPERTIES,  
ATMOSPHERE, SMOKE SCREENS, OPTICAL TRACKING, SOLAR  
RADIATION

(U)

IDENTIFIERS: STARLIGHT

(U)

BIBLIOGRAPHY ON LIGHT, VISIBILITY, VISION.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-465 256

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

CHARGE-EXCHANGE COLLISIONS IN GASES. (U)

DESCRIPTIVE NOTE; COMPILATION OF ABSTRACTS ON SURVEYS OF  
SOVIETBLOC SCIENTIFIC AND TECHNICAL LITERATURE.

MAY 65 64P

REPT. NO. ATD-P-65-32

TASK: 37

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*GAS IONIZATION, SCIENTIFIC  
RESEARCH), (\*KINETIC THEORY, SCIENTIFIC  
RESEARCH), (\*ABSTRACTING, GAS IONIZATION),  
GASES, ATOMS, IONS, ELECTRONS, PLASMA  
PHYSICS, PLASMA MEDIUM, BIBLIOGRAPHIES,  
PERIODICALS, USSR, PROBABILITY, ION BEAMS (U)

THIS REPORT DEALS WITH SOVIET RESEARCH ON  
CHARGEEXCHANGE PROCESSES IN GASES COMPILED FROM THE  
PERIODICALS ZHURNAL EKSPERIMENTAL'NOY I  
TEORETICHESKOY FIZIKI (JOURNAL OF EXPERIMENTAL  
AND THEORETICAL PHYSICS) AND ZHURNAL  
TEKHNICHESKOY FIZIKI (JOURNAL OF TECHNICAL  
PHYSICS) FOR THE PERIOD 1930-1963. THE  
ABSTRACTS ARE ARRANGED ALPHABETICALLY. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-465 678

MICH. CAN UNIV ANN ARBOR INST OF SCIENCE AND  
TECHNOLOGY

PROPAGATION OF SOUND IN AIR.

(U)

DESCRIPTIVE NOTE: A BIBLIOGRAPHY WITH ABSTRACTS 1929-1963.

JUN 66 632P

WESCOTT, JOHN W. I

KUSHNER, S. STEVEN I

REPT. NO. 2900-185-B

CONTRACT: DA36 039SCB2 654 , DA36 039SC78801

PROJ: 30E801001

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*SOUND TRANSMISSION,  
BIBLIOGRAPHIES), (\*BIBLIOGRAPHIES, SOUND  
TRANSMISSION), SOUND, PROPAGATION,  
ABSTRACTS, INDEXES, THEORY, SHOCK WAVES,  
ACOUSTICS, ACOUSTIC PROPERTIES, ABSORPTION,  
ACOUSTIC EQUIPMENT, ECHO RANGING,  
INSTRUMENTATION, METEOROLOGICAL PARAMETERS,  
ATMOSPHERIC PRESSURE, TRANSDUCERS, VELOCITY,  
ULTRASONIC RADIATION

(U)

THIS BIBLIOGRAPHY CONTAINS SEVERAL THOUSAND  
ABSTRACTS FROM THE UNCLASSIFIED LITERATURE ON THE  
PROPAGATION OF SOUND IN AIR. THE SUBJECT IS  
TREATED IN DEPTH FOR THE YEARS 1929 TO 1963. SOME  
ABSTRACTS ON EARLIER WORKS OF LASTING INTEREST AND  
MANY ABSTRACTS FROM ENGLISH TRANSLATIONS OF FOREIGN  
JOURNALS ARE INCLUDED. THE ABSTRACTS ARE GROUPED  
ACCORDING TO SUBJECT MATTER. SUBJECT AND AUTHOR  
INDEXES ARE FURNISHED. ACCESSIONS DOCUMENT (AD  
AND EARLIER ATI) NUMBERS USED BY BOTH THE DEFENSE  
DOCUMENTATION CENTER (FORMERLY ASTIA) AND THE  
OFFICE OF TECHNICAL SERVICES (OTS) ARE  
FURNISHED WHEREVER POSSIBLE. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-466 193

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

MIXING OF CONCENTRIC HIGH-VELOCITY AIRSTREAMS. (U)

DESCRIPTIVE NOTE; COMPILATION OF ABSTRACTS, JAN-OCT  
64.

JUL 65 49P

REPT. NO. ATD-P-65-41

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (1)JET MIXING FLOW,  
BIBLIOGRAPHIES), (1)BIBLIOGRAPHIES, JET MIXING  
FLOW), NOZZLE GAS FLOW, INCOMPRESSIBLE FLOW,  
BOUNDARY LAYER, STABILIZATION, JET FLAMES,  
METHANE, AIR, STAGNATION POINT, PENETRATION,  
JETS, SUPERSONIC FLOW (U)

IDENTIFIERS: PRANDTL THEORY, CONCENTRIC  
STRUCTURES (U)

THIS REPORT IS THE FOURTH IN A SERIES DEALING WITH  
PUBLISHED SOVIET RESEARCH ON THE SUBJECT OF MIXING  
OF CONCENTRIC HIGH-VELOCITY AIRSTREAMS. IT  
COMPRISES ABSTRACTS SELECTED FROM SOVIET OPEN  
LITERATURE AVAILABLE AT THE AEROSPACE TECHNOLOGY  
DIVISION AND THE LIBRARY OF CONGRESS AND COVERS  
THE PERIOD FROM JANUARY 1964 THROUGH OCTOBER  
1964. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-467 519

NATIONAL BUREAU OF STANDARDS BOULDER COLO  
A BIBLIOGRAPHY OF REFERENCES FOR THE THERMOPHYSICAL  
PROPERTIES OF HELIUM-4, HYDROGEN, DEUTERIUM, HYDROGEN  
DEUTERIDE, NEON, ARGON, NITROGEN, OXYGEN, CARBON  
DIOXIDE, METHANE, ETHANE, KRYPTON, AND REFRIGERANTS  
13, 14, AND 23. (U)

MAY 65 139P

REPT. NO. NBS-8808

PROJ: 31502 40 3150121 ,31502 40 3150626

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•PHYSICAL PROPERTIES,  
BIBLIOGRAPHIES), (•GASES, PHYSICAL PROPERTIES),  
(•THERMAL PROPERTIES, GASES), HEAT OF FUSION,  
CRYOGENICS, HELIUM, HYDROGEN, ATOMIC  
STRUCTURE, DEUTERIUM, NEON, ARGON, NITROGEN,  
OXYGEN, CARBON DIOXIDE, METHANE, KRYPTON,  
REFRIGERANTS, HYDROCARBONS, HEAT OF  
SUBLIMATION, ALIPHATIC COMPOUNDS, DENSITY,  
COMPRESSIVE PROPERTIES, THERMAL EXPANSION, VAPOR  
PRESSURE, TEMPERATURE, BOILING, MELTING, PHASE  
STUDIES, ENTHALPY, ENTROPY, THERMAL  
CONDUCTIVITY, VISCOSITY, SURFACE TENSION (U)  
IDENTIFIERS: PARA AND ORTHO HYDROGEN, ETHANE (U)

THIS BIBLIOGRAPHY REPRESENTS A SEARCH OF THE  
INFORMATION STORAGE AND RETRIEVAL SYSTEM OF THE  
CRYOGENIC DATA CENTER. THE STORAGE AND  
RETRIEVAL SYSTEM CONTAINS APPROXIMATELY 11,000  
REFERENCES TO PROPERTIES OF MATERIALS AT CRYOGENIC  
TEMPERATURES. THE BIBLIOGRAPHY CONTAINS REFERENCES  
TO THE FOLLOWING FLUIDS AND THEIR MIXTURES: HELIUM-4,  
NORMAL HYDROGEN, PARAHYDROGEN, ORTHOHYDROGEN,  
DEUTERIUM AND HYDROGEN DEUTERIDE, NEON, ARGON,  
NITROGEN, OXYGEN, CARBON DIOXIDE, METHANE, ETHANE,  
KRYPTON, AND REFRIGERANTS 13, 14, AND 23. THE  
PROPERTIES WHICH WERE SEARCHED FOR ARE: PVT DATA,  
COMPRESSIBILITY, EXPANSIVITY, VAPOR PRESSURE, MELTING  
LINE, TRIPLE POINT, BOILING POINT, CRITICAL POINT,  
SOLID TRANSITION POINTS, PHASE DIAGRAM, LATENT HEATS,  
HEAT CAPACITY, ENTHALPY, ENTROPY, VELOCITY OF SOUND,  
THERMAL CONDUCTIVITY, VISCOSITY, EQUATIONS OF STATE,  
JOULE-THOMSON COEFFICIENT, AND SURFACE TENSION.  
THE CRYOGENIC DATA CENTER IS ENGAGED IN  
MAINTAINING AN AWARENESS OF THE WORLD'S LITERATURE ON  
THE PROPERTIES OF MATERIALS AT CRYOGENIC TEMPERATURES  
AND IN PARTICULAR ON THE PROPERTIES OF THE CRYOGENIC  
FLUIDS. (AUTHOR) (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-486 798 20/11 1/3  
OHIO STATE UNIV RESEARCH FOUNDATION COLUMBUS DEPT OF  
AERONAUTICAL AND ASTRONAUTICAL ENGINEERING  
DEVELOPMENT OF EXPERIMENTAL TESTING PROGRAMS TO  
VERIFY THERMAL STRESS ANALYSIS. (U)  
DESCRIPTIVE NOTE; FINAL REPT. 15 JUN 65-15 MAY 66,  
JUN 66 110P GATEWOOD ,B. E. IGLASER ,A.  
R. IULRICH,B. H. ,JR.:  
CONTRACT: AF 33(615)-2314  
PROJ: AF-1467  
TASK: 146702  
MONITOR: AFFDL TR-66-67

UNCLASSIFIED REPORT

DESCRIPTORS: (THERMAL STRESSES, TEST METHODS),  
MATHEMATICAL ANALYSIS, RELIABILITY, EXPERIMENTAL  
DATA, BEAMS(STRUCTURAL), STRUCTURES,  
STRUCTURAL SHELLS, TEST EQUIPMENT, TEMPERATURE,  
STRAIN(MECHANICS), DEFLECTION,  
BUCKLING(MECHANICS), BIBLIOGRAPHIES,  
REPORTS, TABLES, STATE-OF-THE-ART REVIEWS,  
CYLINDRICAL BODIES, STIFFENED CYLINDERS, METAL  
PLATES, STRUCTURAL PROPERTIES, AIRFRAMES,  
JOINTS (U)

THIS REPORT CONTAINS A BIBLIOGRAPHICAL LIST FOR  
TEST DATA ON THERMAL STRESS TESTING, AND EVALUATION  
OF THE REPORTS IN THE LIST IN A SET OF TABLES, AND A  
LIST OF PROPOSED EXPERIMENTAL TESTS TO VERIFY CERTAIN  
THEORETICAL METHOD OF THERMAL STRESS ANALYSIS. SIX  
OF THE PROPOSED TEST PROGRAMS, BEAM TEST FIXTURE WITH  
CIRCULAR PLATE TEST, PLATE BENDING TEST FIXTURE  
REDUNDANT TRUSS TEST, CURVED BEAM TEST, AND A JOINT  
TEST WITH MIXED MATERIALS, ARE DESCRIBED IN DETAIL.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-600 095

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
OPTICAL IMAGE CONVERTERS: AN ANNOTATED BIBLIOGRAPHY,  
1961-1963, (U)

JAN 64 24P GOLDMANN, JACK B. I  
REPT. NO. 13 64 1 ,SB64 B

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*OPTICAL EQUIPMENT, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, OPTICAL EQUIPMENT), OPTICAL IMAGES,  
IMAGE TUBES, IMAGE INTENSIFIERS (ELECTRONICS),  
ABSTRACTING, INDEXES (U)

A LITERATURE SEARCH WAS MADE TO DETERMINE THE  
VARIETY OF TECHNIQUES WHICH HAVE BEEN UTILIZED IN THE  
DEVELOPMENT OF THE OPTICAL IMAGE CONVERTER. THIS  
ANNOTATED BIBLIOGRAPHY OF 45 REFERENCES EMPHASIZES  
THE ADVANCES AND INNOVATIONS FOR THE YEARS 1961-1963.  
THE RESOURCES OF THE LOCKHEED MISSILES AND  
SPACE COMPANY TECHNICAL INFORMATION CENTER  
WERE USED IN THE PREPARATION OF THIS BIBLIOGRAPHY.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-600 405

CALIFORNIA UNIV LOS ANGELES

AN AEROSONICS BIBLIOGRAPHY. (U)

DESCRIPTIVE NOTE: SUPPLEMENT NO. 1

APR 64 23P POWELL, ALAN SMITH, T. J. B.

1  
REPT. NO. DE64 20

CONTRACT: NONR233 62

PROJ: NR062 229

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (BIBLIOGRAPHIES, AERODYNAMIC  
CHARACTERISTICS), (AERODYNAMIC CHARACTERISTICS,  
BIBLIOGRAPHIES), FLUID FLOW, FLUID MECHANICS,  
AEROSTATICS, SUPERSONIC FLOW (U)

THIS SUPPLEMENTARY BIBLIOGRAPHY CONTAINS AVAILABLE  
REFERENCES TO THE OPEN LITERATURE ON AEROSONICS UP TO  
MARCH 1964 WHICH IS NOT INCLUDED IN THE MAIN  
VOLUME. THE SCOPE OF THE BIBLIOGRAPHY HAS BEEN  
ENLARGED TO INCLUDE REFERENCES TO THE FLUID DYNAMICS  
OF SUPERSONIC JET FLOWS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-600 720

AEROSPACE CORP EL SEGUNDO CALIF

PROFESSIONAL PAPERS CLEARED FOR POSSIBLE PUBLICATION  
AND/OR PRESENTATION. (U)

DESCRIPTIVE NOTE: REPT. FOR 16 APR-15 MAY 64,

MAY 64 6P BRADY, FRANCES A. I

CONTRACT: AFD4 695 269

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•FLUID MECHANICS), (•REPORTS,  
BIBLIOGRAPHIES), (•BIBLIOGRAPHIES, SCIENTIFIC  
RESEARCH), PHYSICS, MATERIALS (U)

BIBLIOGRAPHY OF PROFESSIONAL PAPERS CLEARED FOR POSSIBLE  
PUBLICATION AND/OR PRESENTATION FROM AEROSPACE  
CORPORATION.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 306

PREVENTION OF DETERIORATION CENTER NAS-NRC WASHINGTON D

C

OPTICAL SYSTEMS MICROBIOLOGY: MONOGRAPHIC  
ELEMENTS.

(U)

DESCRIPTIVE NOTE: ORIGINAL BIBLIOGRAPHY.

JUN 62

41P

LEE, RICHARD W. H. I

REPT. NO. S62 032REV. 1 ,PDL 48991

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*OPTICAL EQUIPMENT, DEGRADATION),  
(\*OPTICAL EQUIPMENT, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, OPTICAL EQUIPMENT),  
(\*MICROORGANISMS, DEGRADATION), OPTICAL MATERIALS,  
FUNGUS DETERIORATION, BACTERIA, ABSTRACTS

(U)

AN ANNOTATED BIBLIOGRAPHY OF 38 ITEMS CONCERNING  
THE OCCURRENCE AND EFFECTS OF MICROORGANISMS ON  
OPTICAL EQUIPMENT. A SUBJECT INDEX IS INCLUDED.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 690

HARVARD UNIV CAMBRIDGE MASS

STRUCTURES OF BIOLOGICALLY ACTIVE MOLECULES. (U)

DESCRIPTIVE NOTE: FINAL REPT., 1 DEC 59-30 NOV 63

NOV 63 6P LIPSCOMB, WILLIAM N. I

CONTRACT: AF49 638 809

MONITOR: AFOSR 64 1110

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*MOLECULAR STRUCTURE, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, BIOCHEMISTRY), CRYSTAL STRUCTURE,  
STEREOCHEMISTRY, X-RAY DIFFRACTION ANALYSIS, BORON  
COMPOUNDS, ORGANIC COMPOUNDS, ALKALOIDS (U)

A BIBLIOGRAPHY OF 10 REFERENCES IS GIVEN ON THE  
MOLECULAR AND CRYSTAL STRUCTURE OF SOME BIOLOGICALLY  
ACTIVE MOLECULES. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 730

CORNELL UNIV ITHACA N Y GRADUATE SCHOOL OF AEROSPACE  
ENGINEERING

FINAL REPORT (AEROSPACE ENGINEERING; GAS  
DYNAMICS).

(U)

DESCRIPTIVE NOTE; REPT. FOR 1 MAY 62-30 APR 64.

JUN 64 3P SEARS, W. R. I

CONTRACT: AF AFOSR62 201

MONITOR: AFOSR 64 1138

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (MAGNETOHYDRODYNAMICS, GAS FLOW),  
(SUPERAERODYNAMICS, GAS FLOW), GASES, HIGH-  
TEMPERATURE RESEARCH, PLASMA PHYSICS, FLUID FLOW,  
CHEMICAL REACTIONS, REVIEWS, BIBLIOGRAPHIES

(U)

SUMMARIES ARE GIVEN OF RESEARCHES IN THE FOLLOWING  
FIELDS: MAGNETO-DYNAMICS OF HIGH-TEMPERATURE GASES;  
GASDYNAMICS OF REAL AND CHEMICALLY REACTING GASES;  
AND DYNAMICS OF RAREFIED GASES. A BIBLIOGRAPHY IS  
GIVEN OF THE 18 PUBLICATIONS GENERATED UNDER THIS  
GRANT.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 830

MASSACHUSETTS INST OF TECH LEXINGTON LINCOLN LAB  
SOLID STATE RESEARCH,

(U)

JUN 64 75P

CONTRACT: AF19 620 500

MONITOR: ESD TDR64 48

UNCLASSIFIED REPORT

PLEMENTARY NOTE:

DESCRIPTORS: (SOLID STATE PHYSICS, SCIENTIFIC  
RESEARCH), SEMICONDUCTOR DEVICES, LASERS, MATERIALS,  
CRYSTALLOGRAPHY, SOLIDS, BAND SPECTRUM, SPECTROSCOPY,  
MAGNETISM, RESONANCE, BIBLIOGRAPHIES (U)

A SURVEY OF SOLID STATE RESEARCH IS PRESENTED.  
MAJOR AREAS COVERED ARE SOLID STATE DEVICES,  
LASERS, MATERIALS, BAND STRUCTURE AND SPECTROSCOPY OF  
SOLIDS, AND MAGNETISM AND RESONANCE. A  
BIBLIOGRAPHY OF REPORTS BY AUTHORS ENGAGED IN SOLID  
STATE RESEARCH IS ALSO PRESENTED. (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-601 884

INDIANA UNIV BLOOMINGTON

FINAL REPORT NUCLEAR SPECTROSCOPY .

(U)

DESCRIPTIVE NOTE: REPT. FOR 1 APR 55-31 MAR 64,

MAR 64 12P

CONTRACT: NONR1706 01 ,N60R148 01

PROJ: NR024 006

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•NUCLEAR SPECTROSCOPY, BIBLIOGRAPHIES),  
(•BIBLIOGRAPHIES, NUCLEAR SPECTROSCOPY), (•DECAY  
SCHEMES), (•RAD:ACTIVE DECAY), NUCLEAR FORCES,  
NUCLEAR PROPERTIES, ATOMIC STRUCTURE, RADIOACTIVE  
ISOTOPES, NUCLEAR REACTIONS, CYCLOTRONS, BETA-RAY  
SPECTROSCOPY, GAMMA-RAY SPECTROSCOPY, BETA-RAY  
SPECTRUM, PARTICLE ACCELERATION TECHNIQUES, SCIENTIFIC  
PERSONNEL, TRAINING, CORRELATION TECHNIQUES, ATOMIC  
ENERGY LEVELS (U)

INFORMATION ABOUT THE STRUCTURE OF THE NUCLEI OF  
ATOMS AND THE NATURE OF BASIC NUCLEAR FORCES IS  
RECORDED IN A SERIES OF REPORTS COVERING THE PERIOD 1  
MARCH 1946 TO 31 MARCH 1956. MEASUREMENTS WERE  
CARRIED OUT ON VARIOUS PHENOMENA ASSO CIATED WITH  
RADIOACTIVE DECAY OF ISOTOPES PRODUCED EITHER BY  
BOMBARDMENT IN THE CYCLOTRON OR IN A NUCLEAR REACTOR.  
THE INVESTIGATIONS INVOLVED: (1) THE  
DETERMINATION OF DECAY SCHEMES AND ENERGY LEVEL  
ASSIGNMENTS; (2) STUDIES OF THE DETAILED SHAPES  
OF BETA SPECTRA IN BOTH ALLOWED AND FORBIDDEN  
TRANSITIONS; AND (3) BETA-GAMMA ANGULAR  
CORRELATION MEASUREMENTS. A LIST OF 63 PUBLICATIONS  
SUPPORTING THE RESULTS OF THESE INVESTIGATIONS IS  
INCLUDED IN THE FINAL REPORT TOGETHER WITH THE NAMES  
AND THESIS TITLES OF GRADUATE SCIENTIFIC PERSONNEL  
ASSOCIATED WITH THE EXPERIMENTS. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-603 139

POLYTECHNIC INST OF BROOKLYN N Y

AN ANNOTATED BIBLIOGRAPHY ON ABLATION AND RELATED TOPICS.

(U)

MAY 64 165P

ISRAEL, MARTIN H. INARDO, S.

V. 1

REPT. NO. 686

CONTRACT: NONR839 23

PROJ: NRO64 433

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•ABLATION, BIBLIOGRAPHIES), (•BIBLIOGRAPHIES, ABLATION), HEAT TRANSFER, LAMINAR BOUNDARY LAYER, HIGH-TEMPERATURE RESEARCH, COOLING, MELTING, SUBLIMATION, VAPORIZATION, HEAT SHIELDS, ATMOSPHERE ENTRY, HEAT-RESISTANT MATERIALS, PLASTICS, METALS, HYPERSONIC FLOW, HEAT-RESISTANT PLASTICS, MATERIALS, POLYMERS, GRAPHITE, REENTRY VEHICLES, CERAMIC MATERIALS, ORGANIC MATERIALS, POROUS MATERIALS, COATINGS, REFRACTORY MATERIALS, QUARTZ, LAMINATED PLASTICS, GLASS TEXTILES, COMPOSITE MATERIALS, RUBBER, THERMAL INSULATION, SATELLITES (ARTIFICIAL)

(U)

THE BIBLIOGRAPHY CONTAINS 700 ENTRIES (551 ANNOTATED, 133 UNANNOTATED, AND 16 CLASSIFIED REFERENCES), LISTING RESEARCH PERTINENT TO THERMAL ENVIRONMENTS AND THE THERMAL PROTECTION OF STRUCTURES, PRIMARILY BY ABLATIVE TECHNIQUES. TOPICS INCLUDED DEAL WITH HIGH TEMPERATURE ENVIRONMENT, RE-ENTRY DYNAMICS AND THERMODYNAMICS, COOLING METHODS, ABLATION COOLING, AND MATERIALS FOR HIGH TEMPERATURE APPLICATION.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-603 359

NAVAL ORDNANCE LAB CORONA CALIF  
MAGNETORESISTANCE IN METALS, SEMICONDUCTORS, AND  
ALLOYS: A BIBLIOGRAPHY ON THEORETICAL AND  
EXPERIMENTAL ASPECTS, (U)

JUL 64 100P LEONARD, L. E. I  
MONITOR: NAVWEPS 8191

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*BIBLIOGRAPHIES, RESISTANCE  
(ELECTRICAL)), (\*METALS, BIBLIOGRAPHIES),  
(\*SEMICONDUCTORS, BIBLIOGRAPHIES), (\*ALLOYS,  
BIBLIOGRAPHIES), SUBJECT INDEXING, MAGNETIC FIELDS,  
HALL EFFECT, SINGLE CRYSTALS (U)  
IDENTIFIERS: MAGNETORESISTIVE EFFECT (U)

THE COMPREHENSIVE BIBLIOGRAPHY COVERS THEORETICAL  
AND EXPERIMENTAL WORK ON THE MAGNETORESISTANCE IN  
METALS, SEMICONDUCTORS, AND ALLOYS OVER THE PERIOD  
1930-1963. IN THE SUBJECT INDEX WHICH PRECEDES  
THE MAIN BIBLIOGRAPHY, THE LISTINGS ARE BRIEF BUT  
SUFFICIENT TO ENABLE THE READER TO FIND THE COMPLETE  
ENTRIES IN THE BIBLIOGRAPHY SECTION. BECAUSE THE  
NAME OF ONLY ONE AUTHOR IS GIVEN FOR EACH ENTRY, THE  
SEQUENCE IS NOT STRICTLY ALPHABETICAL; FOR CONVENIENT  
REFERENCE, IT PARALLELS THE SEQUENCE IN THE  
BIBLIOGRAPHY PROPER. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-603 51\*

MASSACHUSETTS INST OF TECH LEXINGTON LINCOLN LAB

DIVISION 6, SOLID STATE.

(U)

DESCRIPTIVE NOTE: QUARTERLY PROGRESS REPT. FOR 1 APR-30  
JUN 64.

JUL 64 18P

CONTRACT: AF19 628 500

MONITOR: ESD 1 TDR64 349

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*BIBLIOGRAPHIES, SOLID STATE PHYSICS),  
(\*SOLID STATE PHYSICS, REPORTS), LASERS, SEMICONDUCTOR  
DEVICES, SEMICONDUCTORS, CRYSTALS, OSCILLATION,  
SPECTROSCOPY, MAGNETIC PROPERTIES, MAGNETIC FIELDS,  
ELECTRONS, MAGNETIC RESONANCE (U)

RESEARCHES IN THE FOLLOWING FIELDS ARE SUMMARIZED:  
SOLID STATE DEVICE RESEARCH; LASER RESEARCH;  
MATERIALS RESEARCH; BAND STRUCTURE AND SPECTROSCOPY  
OF SOLIDS; MAGNETISM AND RESONANCE. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-605 984

TRW SPACE TECHNOLOGY LABS LOS ANGELES CALIF

LOW PRESSURE ELECTRICAL DISCHARGE STUDIES, (U)

DEC 59 72P KREBS, W. H. FREED, A. C. I

REPT. NO. STL/TR-59-0000-09931

CONTRACT: AF04 647 309

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (ELECTRIC DISCHARGES, HIGH ALTITUDE),  
(GUIDED MISSILE COMPONENTS, MALFUNCTIONS), AIR, WATER  
VAPOR, SPARKS, SECONDARY EMISSION, ELECTRICAL  
EQUIPMENT, LOW-PRESSURE RESEARCH, ELECTRODES,  
ELECTRICAL PROPERTIES, GEOMETRIC FORMS, ENCAPSULATION,  
CASTING, REVIEWS, BIBLIOGRAPHIES (U)  
IDENTIFIERS: BREAKDOWN (ELECTRICAL) (U)

THE REPORT CONCERNS ELECTRICAL BREAKDOWN OF AIR AT  
LOW PRESSURES OR HIGH ALTITUDES (70,000 TO 250,000  
FEET) DUE TO SECONDARY EMISSION. INFORMATION  
PERTINENT TO THE PROBLEM OF LOW FREQUENCY (0 TO  
1000 CPS) SPARKING WAS COMPILED THROUGH A  
LITERATURE SURVEY. A BIBLIOGRAPHY CONCERNING  
ELECTRICAL BREAKDOWN AT BOTH LOW AND HIGH FREQUENCIES  
WAS COMPILED. A TEST PROGRAM YIELDED THE FOLLOWING  
RESULTS: NO STATISTICALLY SIGNIFICANT DEVIATION  
FROM PASCHEN'S LAW WAS DETECTED. THE ADDITION  
OF WATER VAPOR TO THE AIR CONSTITUTING THE TEST  
ENVIRONMENT CAUSED A SIGNIFICANT LOWERING OF THE  
MINIMUM SPARKING VOLTAGE. RECOMMENDATIONS ARE MADE  
RELATIVE TO TEST PROGRAMS FOR MISSILE ELECTRICAL  
COMPONENTS EMPLOYING VOLTAGES HIGHER THAN 200 VOLTS.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 180

MASSACHUSETTS INST OF TECH CAMBRIDGE

AN INDEX TO THE TWO-PHASE GAS-LIQUID FLOW LITERATURE.

PART II.

(U)

SEP 64 318P GOUSE, S. WILLIAM, JR.:

REPT. NO. DSR-8734-4

CONTRACT: NONR1841 73

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-411 512.

DESCRIPTORS: (\*BIBLIOGRAPHIES, FLUID FLOW), (\*FLUID  
FLOW, BIBLIOGRAPHIES), REVIEWS, INDEXES, FLUID  
MECHANICS, GAS FLOW, LIQUIDS

(U)

IDENTIFIERS: TWO-PHASE FLOW

(U)

A TOTAL OF 1800 SEPARATE REFERENCES ON CERTAIN  
TYPES OF TWO-PHASE GAS-LIQUID FLOW PHENOMENA HAVE  
BEEN FOUND, VERIFIED, LISTED, AND INDEXED BY SUBJECT  
AND PRINCIPLE AUTHOR. THIS LITERATURE SURVEY WAS  
CARRIED OUT AS ONE PHASE OF A CONTINUING PROGRAM TO  
DETERMINE THE STATE OF THE ART IN TWO-PHASE GAS-  
LIQUID FLOW PHENOMENA. IT IS EXPECTED THAT THIS  
PROGRAM WILL CONTINUE WITH THE PUBLICATION OF  
ADDITIONAL CRITICAL REVIEWS AND EVALUATIONS OF  
VARIOUS PROBLEM AREAS IN TWO-PHASE FLOW AS WELL AS  
WITH THE PUBLICATION OF PART III OF THE INDEX.  
THE PROBLEM AREAS OF CONDENSATION, CAVITATION, AND  
AUTOMIZATION HAVE BEEN GENERALLY EXCLUDED EXCEPT  
THROUGH ERROR OR WHEN REFERENCES WERE OF SUCH A BASIC  
CHARACTER AS TO BE GENERALLY USEFUL. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 420

YALE UNIV NEW HAVEN CONN

(LISTS OF PROGRESS REPORTS, PUBLICATIONS, AND MEN WHO  
RECEIVED PH.D. DEGREES) (U)

DESCRIPTIVE NOTE; FINAL REPT. FOR 15 JUN 64-15 FEB 64.

OCT 64

7P

MARGENAU, HENRY I

CONTRACT: NONR609 22

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (PLASMA PHYSICS, BIBLIOGRAPHIES),  
REPORTS, SCIENTIFIC PERSONNEL, ELECTRONICS (U)

(LISTS OF PROGRESS REPORTS, PUBLICATIONS, AND MEN WHO  
RECEIVED PH.D. DEGREES)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 633

TRW SPACE TECHNOLOGY LABS LOS ANGELES CALIF  
A BIBLIOGRAPHY FOR THE RESTRICTED THREEBODY  
PROBLEM,

(U)

AUG 88 26P DUREN, PETER L. I  
REPT. NO. STL/GM-TN-0165-00172

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (N-BODY PROBLEM, BIBLIOGRAPHIES),  
(BIBLIOGRAPHIES, N-BODY PROBLEM), CELESTIAL  
MECHANICS, LUNAR TRAJECTORIES, ORBITAL TRAJECTORIES,  
EQUATIONS, MOTION, SERIES (U)

THE 78 REFERENCES IN THIS BIBLIOGRAPHY ARE ARRANGED  
CHRONOLOGICALLY WITHIN EACH OF THREE HEADINGS:  
EXPOSITORY, ANALYTICAL AND NUMERICAL. (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 668

ARMY NUCLEAR DEFENSE LAB EDGEWOOD ARSENAL MD  
A LISTING OF CINDA, AN INDEX TO THE LITERATURE ON  
MICROSCOPIC NEUTRON DATA, (U)

JUL 64 790P GOLDSTEIN, HERBERT I

KALOS, MALVIN H. I

TASK: A2 11 029

MONITOR: DASA ,NDL

15351 ,SP10

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTES: PREPARED IN COOPERATION WITH  
COLUMBIA UNIV., NEW YORK; COURANT INST. OF  
MATHEMATICAL SCIENCES, NEW YORK UNIV., N. Y.;  
AND UNITED NUCLEAR CORP., WHITE PLAINS, N. Y.  
PART OF THE WORK WAS SUPPORTED BY CONTRACT AT 30 1  
GEN72.

DESCRIPTORS: (\*NEUTRON CROSS SECTIONS, INDEXES),  
(\*DATA PROCESSING SYSTEMS, NEUTRON CROSS SECTIONS),  
NEUTRONS, COMPUTERS, BIBLIOGRAPHIES, DATA, ISOTOPES,  
CHEMICAL ELEMENTS, NUCLEAR CROSS SECTIONS (U)

CINDA (COMPUTER INDEX NEUTRON DATA) IS A  
BIBLIOGRAPHICAL INDEX OF INFORMATION CONCERNING  
MICROSCOPIC NEUTRON CROSS SECTIONS AND ALLIED DATA  
FOR SPECIFIC ELEMENTS AND ISOTOPES. IT COVERS THE  
LITERATURE, BOTH PUBLISHED AND UNPUBLISHED, SINCE THE  
BEGINNING OF 1956. WHILE THE REFERENCES COVERED  
MOSTLY REPORT ON MEASUREMENTS, CINDA ALSO INCLUDES  
THEORETICAL CALCULATIONS, CROSS SECTION EVALUATIONS  
AND COMPILATION INSOFAR AS THEY REFER TO SPECIFIC  
TARGET NUCLEI. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 815

TRW SPACE TECHNOLOGY LABS LOS ANGELES CALIF  
A COLLECTION OF INFORMATION ON SHOCK SPECTRUM OF A  
LINEAR SYSTEM, (U)

JUL 61 56P BARTON, H. V. ICHOBOTOV, V. I

FUNG, Y. C. I

REPT. NO. STL/EH-11-9

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTES:

DESCRIPTORS: (\*SHOCK (MECHANICS), LINEAR SYSTEMS),  
MECHANICAL WAVES, LOADING (MECHANICS), GRAPHICS,  
BIBLIOGRAPHIES (U)

THIS IS A COLLECTION OF DEFINITIONS AND CHARTS OF  
THE RESPONSE SPECTRA FOR A ONE-DEGREE-OF-FREEDOM  
LINEAR SYSTEM SUBJECTED TO SHOCK LOADING.  
AVAILABLE NUMERICAL RESULTS ARE COLLECTED TOGETHER  
AND ILLUSTRATED GRAPHICALLY. ANALYTICAL RESULTS ARE  
NOT REPRODUCED, BUT REFERENCES TO CONVENIENT SOURCES  
ARE GIVEN. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-608 695

YALE UNIV NEW HAVEN CONN

FINAL REPORT. PARTICLE PHYSICS, BIBLIOGRAPHY OF  
PUBLICATIONS.

(U)

61 11P

BREIT, GREGORY I

CONTRACT: NONR1338 00

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*NUCLEAR PHYSICS, BIBLIOGRAPHIES),  
(\*BIBLIOGRAPHIES, NUCLEAR PHYSICS), NUCLEAR  
SCATTERING, NUCLEAR PARTICLES, LINEAR ACCELERATORS,  
ISOTOPES, X-RAY SPECTRUM, POLARIZATION, ELECTRON  
CAPTURE, NUCLEONS, PROTONS, EXCITATION, NUCLEAR  
REACTIONS

(U)

FINAL REPORT. PARTICLE PHYSICS, BIBLIOGRAPHY OF  
PUBLICATIONS.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-609 136

FOREIGN TECHNOLOGY DIV WRIGHT-PATTERSON AFB OHIO  
BIBLIOGRAPHY OF PUBLICATIONS ON THE SUBJECT OF HEAT  
AND MASS EXCHANGE, (U)

NOV 64 21P DOLINSKAYA, R. A. 1  
MONITOR: FTD ,TT TT64 3951 ,65 60431

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: UNEDITED ROUGH DRAFT TRANS. OF  
INZHENERNO-FIZICHESKII ZHURNAL (USSR) 1963, V. 6,  
NO. 12, P. 127-134. LEGIBILITY OF THIS DOCUMENT IS IN PART  
UNSATISFACTORY. REPRODUCTION HAS BEEN MADE FROM BEST  
AVAILABLE COPY.

DESCRIPTORS: (•TRANSPORT PROPERTIES, BIBLIOGRAPHIES),  
(•HEAT TRANSFER, BIBLIOGRAPHIES), (•BIBLIOGRAPHIES,  
TRANSPORT PROPERTIES), MATHEMATICAL ANALYSIS,  
THERMODYNAMICS, PHASE STUDIES, HIGH-TEMPERATURE  
RESEARCH, MAGNETOHYDRODYNAMICS, DESIGN, THERMAL  
CONDUCTIVITY, DRIERS (APPARATUS), NUCLEAR REACTORS,  
USSR (U)  
IDENTIFIERS: MASS TRANSFER (U)

CONTENTS: MATHEMATICAL ANALYTIC METHODS;  
THERMODYNAMICS; EXPERIMENTAL METHODS; PROCESSES  
WITH PHASE CONVERSION, CHEMICAL CONVERSION, AND SUPER  
HIGH SPEEDS; DRYING PROCESSES; THERMOPHYSICAL AND  
THERMODYNAMIC CHARACTERISTICS OF VARIOUS MATERIALS,  
HEAT CONDUCTORS AND METHODS OF DETERMINING THEM;  
PHYSICS OF HIGH TEMPERATURE PROCESSES AND MAGNETIC  
HYDRODYNAMICS; PROCESSES IN NUCLEAR REACTORS;  
DESIGN PROCESSES AND APPARATUS. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-610 079

UPPSALA UNIV (SWEDEN)

QUANTUM THEORY OF MANY-PARTICLE SYSTEMS.

(U)

DESCRIPTIVE NOTE: ANNUAL SUMMARY REPT. FOR 1 SEP 63-31  
AUG 64.

AUG 64 8P

CONTRACT: AF61 052 701

MONITOR: ARL , 65 25

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-429 228.

DESCRIPTORS: (QUANTUM MECHANICS, ELEMENTARY  
PARTICLES), (ELEMENTARY PARTICLES, QUANTUM  
MECHANICS), N-BODY PROBLEM, CHEMISTRY, MOLECULAR  
PROPERTIES, MOLECULAR STRUCTURE, SOLID STATE PHYSICS,  
ATOMIC ENERGY LEVELS, ATOMIC STRUCTURE, ATOMS,  
MOLECULES, PROTONS, ELECTRONS, THEORY, SPIN, VALENCE,  
PERTURBATION THEORY, MATRIX ALGEBRA, OPERATORS  
(MATHEMATICS), CRYSTAL LATTICES, HARMONIC OSCILLATORS,  
ATOMIC ORBITALS, SYMPOSIA, SWEDEN, BIBLIOGRAPHIES (U)

A CHRONOLOGICAL LIST IS PRESENTED OF THE  
CONFERENCES, RESEARCH REPORTS, AND PUBLISHED PAPERS  
OF THE QUANTUM CHEMISTRY GROUP FOR RESEARCH IN  
ATOMIC, MOLECULAR, AND SOLID-STATE THEORY AT  
UPPSALA UNIVERSITY, UPPSALA, SWEDEN.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-612 912

DOUGLAS AIRCRAFT CO INC SANTA MONICA CALIF  
ELECTRON FRACTOGRAPHY HANDBOOK. (U)  
DESCRIPTIVE NOTE: FINAL REPT. FOR 10 MAY 63-31 JAN 66.

JAN 66 910P WHITESON, B. V. I PHILLIPS, A.  
IKERLINS, V. I  
CONTRACT: AF33 657 11127  
PROJ: 7381  
TASK: 738103  
MONITOR: ML, TR-64-416

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: AVAILABLE COPY WILL NOT PERMIT FULLY  
LEGIBLE REPRODUCTION. REPRODUCTION WILL BE MADE IF  
REQUESTED BY USERS OF DDC. A COPY IS AVAILABLE FOR PUBLIC  
SALE.

DESCRIPTORS: (1) FRACTOGRAPHY, HANDBOOKS), (2) ELECTRON  
MICROSCOPY, FRACTOGRAPHY), FRACTURE (MECHANICS),  
FATIGUE (MECHANICS), ENVIRONMENTAL TESTS, EXPERIMENTAL  
DATA, TEST METHODS, METALS, ALUMINUM ALLOYS, STEEL,  
TITANIUM ALLOYS, NICKEL ALLOYS, MAGNESIUM ALLOYS,  
BERYLLIUM ALLOYS, MOLYBDENUM ALLOYS, NIOBIUM ALLOYS,  
TANTALUM ALLOYS, TUNGSTEN ALLOYS, BIBLIOGRAPHIES,  
MICROSTRUCTURE (U)

THE HANDBOOK IS DIVIDED INTO FIVE SECTIONS.  
THESE ARE: (1) TECHNIQUES - A DETAILED  
DESCRIPTION OF THE MOST COMMONLY USED REPLICATION  
TECHNIQUES, FRACTURE ANALYSIS TECHNIQUES, AND A GUIDE  
TO DISTINGUISH FALSE OR 'ARTIFACT' STRUCTURE. (2)  
FRACTURE MODES - A GUIDE TO THE VARIOUS MODES OF  
FRACTURE (OR FRACTURE MORPHOLOGY), THEIR  
APPEARANCE IN THE ELECTRON MICROSCOPE, AND A GLOSSARY  
OF TERMS COMMONLY USED IN ELECTRON FRACTOGRAPHY.  
(3) ENVIRONMENTAL EFFECTS A REVIEW OF THE ROLE  
OF ENVIRONMENTAL INFLUENCE ON THE FRACTURE  
APPEARANCE. (4) ATLAS OF ELECTRON FRACTOGRAPHS  
A DETAILED COMPILATION OF OVER 300 SPECIMENS FAILED  
UNDER KNOWN CONDITIONS, WITH THE RELATED  
FRACTOGRAPHS. A GENERAL INDEX AS WELL AS A  
COMPLETE CROSS-REFERENCING INDEX IS ALSO INCLUDED TO  
PROVIDE EASY ACCESS TO INFORMATION RELATED TO  
SPECIFIC ALLOY, STRENGTH LEVEL, TYPE OF TEST AND/OR  
ENVIRONMENT AND TEST TEMPERATURE. (5)  
BIBLIOGRAPHY - A BIBLIOGRAPHY OF OPEN LITERATURE  
RELATED TO THE FIELD OF ELECTRON FRACTOGRAPHY. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-612 962

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
OPTICAL AND INFRARED ABSORPTANCE AND EMISSION  
PROPERTIES OF SOLID H<sub>2</sub>O, CO<sub>2</sub>, N<sub>2</sub>, AND O<sub>2</sub>: AN  
ANNOTATED BIBLIOGRAPHY, 1958-1962.

(U)

NOV 62 9P BUGINAS, SCOTT J. I

REPT. NO. 5-10-62-53 ,SB-62-59

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•CRYOGENICS, OPTICAL PHENOMENA),  
(•INFRARED RADIATION, SOLID STATE PHYSICS),  
(•LUMINESCENCE, SOLID STATE PHYSICS),  
(•BIBLIOGRAPHIES, OPTICAL PHENOMENA), (•SPECTROSCOPY,  
OPTICAL PHENOMENA), CRYSTALS, ICE, SOLIDIFIED GASES,  
NITROGEN, OXYGEN, CARBON COMPOUNDS, GASES, XENON,  
ARGON, METHANE, AMMONIA, OPTICAL EQUIPMENT (U)  
IDENTIFIERS: OPTICAL FREQUENCIES (U)

OPTICAL AND INFRARED ABSORPTANCE AND EMISSION PROPERTIES  
OF SOLID H<sub>2</sub>O, CO<sub>2</sub>, N<sub>2</sub>, AND O<sub>2</sub>: AN ANNOTATED  
BIBLIOGRAPHY, 1958-1962.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-614 429

NAVAL WEAPONS LAB DANLIGREN VA  
SOME RECENT DEVELOPMENTS IN THE THEORY OF VISCOUS  
FLUID FLOW WITH TECHNOLOGICAL AND GEOPHYSICAL  
APPLICATIONS,

(U)

APR 68 70P SCHWIDERSKI, ERNST W. I

LUGT, HANS J. I

REPT. NO. NWL-1963

TASK: R360FR103 2101RC110101

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•FLUID FLOW, MATHEMATICAL ANALYSIS),  
(•PARTIAL DIFFERENTIAL EQUATIONS, FLUID MECHANICS),  
(•NUMERICAL METHODS AND PROCEDURES, FLUID MECHANICS),  
VISCOSITY, INCOMPRESSIBLE FLOW, BOUNDARY LAYER,  
STAGNATION, WAKE, VORTICES, INTEGRATION, INTEGRAL  
EQUATIONS, BIBLIOGRAPHIES, GEOPHYSICS

(U)

THREE GENERAL MATHEMATICAL TECHNIQUES, WHICH HAVE  
RECENTLY BEEN INTRODUCED BY THE AUTHORS FOR  
SYSTEMATIC SOLUTION OF THE NAVIER-STOKES  
EQUATIONS OF INCOMPRESSIBLE VISCOUS FLUID FLOW, ARE  
BRIEFLY REVIEWED. IN PARTICULAR, THE APPLICATIONS  
OF THESE METHODS TO VARIOUS FUNDAMENTAL FLOW PROBLEMS  
OF THEORETICAL AND TECHNOLOGICAL INTEREST ARE  
HIGHLIGHTED AND ANALYZED WITH RESPECT TO THE MAJOR  
PHYSICAL FEATURES OF REALISTIC SMALL-SCALE AND  
LARGESCALE FLUID MOTIONS. A COMPLETE BIBLIOGRAPHY  
OF ALL ORIGINAL PAPERS PUBLISHED OR IN PUBLICATION,  
WHICH CONTAIN ALL DETAILED DERIVATIONS AND RESULTS,  
IS GIVEN AT THE END OF THIS REPORT. (AUTHOR)

(U)



UNCLASSIFIED

DOC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-614 594

CALIFORNIA UNIV LOS ANGELES DEPT OF ENGINEERING  
AN AEROSONICS BIBLIOGRAPHY. (U)

DESCRIPTIVE NOTE: SUPPLEMENT NO. 2,

APR 65 27P POWELL, ALAN ISOLOMON, LOUIS I

REPT. NO. 65-3

CONTRACT: NONR23362

PROJ: RR009 01 01 ,NR062 229

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SUPPLEMENT TO ENGINEERING REPTS.  
NO. 63-51, AD-425 670, AND NO. 64-20, AD-600 455.

DESCRIPTORS: (•AERODYNAMIC CHARACTERISTICS,  
BIBLIOGRAPHIES), ACOUSTICS, SUPERSONIC FLOW, JETS,  
FLUID MECHANICS, INDEXES, SONIC BOOM, SHOCK WAVES,  
SONIC FATIGUE, VORTICES, BOUNDARY LAYER, TURBULENCE,  
NOISE, HYDRODYNAMICS, STRUCTURES, PROPELLERS (AERIAL) (U)  
IDENTIFIERS: AEROSONICS (U)

A BIBLIOGRAPHY OF 363 REFERENCES IS GIVEN ON THE  
FOLLOWING TOPICS: AERODYNAMIC SOUND; STRUCTURAL  
EXCITATION BY FLOWS AND SOUND, FATIGUE; FLOW PAST  
BODIES, BOUNDARY LAYER; FLUID INSTABILITY, ACOUSTIC  
STREAMING, VORTICAL FLOW; JET FLOWS AND WAKES,  
TURBULENCE; JET NOISE SUPPRESSION DEVICES; PROPELLERS  
AND ROTORS; ROCKET NOISE; RESONANCE AND OSCILLATION;  
SONIC BOOM AND SHOCK WAVES; SOUND PROPAGATION,  
SCATTERING, TRANSMISSION ATTENUATION AND REFLECTION;  
STRUCTURAL AND WAVE DYNAMICS; THERMOACOUSTICS;  
HYDRODYNAMICS. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-615 177

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

SOVIET LASER BIBLIOGRAPHY: ANALYTICAL SURVEY. (U)

MAY 65 59P

REPT. NO. ATD-P-65-23

MONITOR: TT , 65-62200

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON SURVEYS OF SOVIET OF  
SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (LASERS, BIBLIOGRAPHIES), PARAMAGNETIC  
MATERIALS, GASES, SEMICONDUCTOR DEVICES, SPECTROSCOPY,  
X-RAYS, OPTICS, QUANTUM MECHANICS, USSR,  
REVIEWS (U)

THE BIBLIOGRAPHY ON SOVIET LASER RESEARCH COVERS  
THE PERIOD FROM JANUARY 1961 TO SEPTEMBER 1964.  
THE FOLLOWING TOPICS ARE DISCUSSED: GASEOUS  
LASERS, LASERS BASED ON PARAMAGNETIC MATERIALS,  
LASERS BASED ON SEMICONDUCTOR MATERIALS, EXOTIC  
LASERS, SPECTROSCOPY OF PARAMAGNETIC LASER MATERIALS,  
LASER THEORY, AND LASER APPLICATIONS AND EFFECTS.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-617 913

AUTONETICS DOWNEY CALIF

OCCUPATIONAL LASER HAZARDS- A SURVEY OF THE  
LITERATURE, (U)

DESCRIPTIVE NOTE: REPT. FOR 1956-1965,

JUL 65 23P KINNEY, MARNELLE I

REPT. NO. T5-1245/3111

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: AVAILABLE COPY WILL NOT PERMIT FULLY  
LEGIBLE REPRODUCTION. REPRODUCTION WILL BE MADE IF  
REQUESTED BY USERS OF DDC. COPY IS AVAILABLE FOR PUBLIC  
SALE.

DESCRIPTORS: (LASERS, HAZARDS),  
(BIBLIOGRAPHIES, LASERS), SAFETY DEVICES, EYE,  
VISION, RETINA, EYE GLASSES, PROTECTIVE  
CLOTHING, SKIN, BURNS, TISSUES(BIOLOGY),  
PATHOLOGY, OPHTHALMOLOGY, PHYSIOLOGY,  
INDUSTRIAL MEDICINE, INDEXES, ABSTRACTING,  
REVIEWS (U)

THE NEED FOR GUIDELINES TO PROTECT PERSONNEL  
INVOLVED IN LASER RESEARCH IS GENERALLY RECOGNIZED.  
THE LITERATURE REVEALS, HOWEVER, THAT VIEWS DIFFER  
AS TO WHAT PRECAUTIONS SHOULD BE REQUIRED. THIS  
BIBLIOGRAPHY CONTAINS 48 ENTRIES ARRANGED  
ALPHABETICALLY BY AUTHOR, AND INCLUDES PAPERS  
PUBLISHED IN THE OPEN LITERATURE AND REPORTS WHICH  
MAY BE OBTAINED THROUGH THE DEFENSE DOCUMENTATION  
CENTER. THE PERIOD OF TIME COVERED IS FROM 1956  
THROUGH MAY 1965. (AUTHOR) (U)

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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-618 067

CHICAGO UNIV ILL ENRICO FERMI INST FOR NUCLEAR  
STUDIES

HIGH ENERGY PHYSICS RESEARCH USING A 460 MEV  
SYNCHROCYCLOTRON. (U)

DESCRIPTIVE NOTE; FINAL REPT.,

JUL 65 15P ANDERSON, HERBERT L. I

CONTRACT: N60P102022

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•NUCLEAR PHYSICS,  
SYNCHROCYCLOTRONS), (•BIBLIOGRAPHIES, NUCLEAR  
PHYSICS), ELEMENTARY PARTICLES, PIONS, MUONS,  
MESON BOMBARDMENT, PROTON BEAMS, NEUTRON BEAMS,  
RADIOCHEMISTRY (U)

DOCTORAL DISSERTATIONS ARE LISTED FOR STUDENTS WHO  
CONDUCTED THEIR RESEARCH WITH THE CYCLOTRON. ALSO  
GIVEN IS A CHRONOLOGICAL LIST OF PUBLISHED RESEARCH. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-618 503

MASSACHUSETTS INST OF TECH LEXINGTON LINCOLN LAB  
AC BREAKDOWN IN GASES.

(U)

DESCRIPTIVE NOTE: TECHNICAL REPT.,

FEB 65 30P HUEHE, C. E. I

REPT. NO. TR-380

CONTRACT: AF19 628 500

MONITOR: ESD, TDR-65-53

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*GAS DISCHARGES, HELIUM GROUP  
GASES), (\*GAS IONIZATION, HELIUM GROUP GASES),  
(\*HELIUM GROUP GASES, GAS DISCHARGES), VOLTAGE,  
ELECTRONS, SECONDARY EMISSION, ALTERNATING  
CURRENT, PLASMA PHYSICS, BIBLIOGRAPHIES,  
IONIZATION POTENTIALS

(U)

THE BREAKDOWN POTENTIAL OF HELIUM, NEON, ARGON AND  
XENON WAS MEASURED OVER THE FREQUENCY RANGE FROM DC  
TO 1000 MCPS, AND THE PRESSURE RANGE FROM 10 TO THE  
MINUS 8TH POWER TO 600 MMHG EMPLOYING A GLASS  
BREAKDOWN CELL WITH 1-CM SPACING. GRAPHS SHOWING  
CONTOURS OF CONSTANT BREAKDOWN POTENTIAL AS A  
FUNCTION OF PD AND D/GAMMA ARE PRESENTED. THESE  
GRAPHS SHOW THREE DISTINCT BREAKDOWN REGIONS:  
(1) THE DIFFUSION-CONTROLLED REGION, (2) THE  
SECONDARY-ELECTRON-EMISSION (MULTIPACTOR) REGION,  
AND (3) THE LOW-FREQUENCY REGION. THE  
BREAKDOWN MECHANISM IN EACH OF THESE REGIONS IS  
EXPLAINED. AN EXTENSIVE BIBLIOGRAPHY ON AC  
BREAKDOWN IN GASES IS INCLUDED. (AUTHOR)

(U)

UNCLASSIFIED

ODC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-619 027

AEROSPACE RESEARCH LABS WRIGHT-PATTERSON AFB OHIO

A BIBLIOGRAPHY ON MOVING STRIATIONS,

(U)

JUN 68 33P PALMER, RICHARD E. I

GARSCADDEN, ALAN I

REPT. NO. ARL-68-120

PROJ: 7073

TASK: 707303

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*GAS DISCHARGES, BIBLIOGRAPHIES),  
(\*PLASMA MEDIUM, BIBLIOGRAPHIES), LOW-PRESSURE  
RESEARCH, REVIEWS

(U)

IDENTIFIERS: PLASMA STRIATIONS

(U)

A BRIEF SUMMARY OF PRESENT RESEARCH AND A  
BIBLIOGRAPHY CONCERNING MOVING STRIATIONS IN LOW  
PRESSURE (APPROX. 1 TORR) GASEOUS DISCHARGES IS  
PRESENTED. CHRONOLOGICAL ORDER HIGHLIGHTS THE MORE  
RECENT WORK IN THE FIELD OF MOVING STRIATIONS BY  
PEKAREK AND WOJACZEK. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-620 727

MASSACHUSETTS INST OF TECH LEXINGTON LINCOLN LAB  
MILLIMETER WAVE RESEARCH: PAST, PRESENT, AND  
FUTURE.

(U)

DESCRIPTIVE NOTE: TECHNICAL REPT.,  
MAY 65 27P MEYER, J. W. I  
REPT. NO. TR-389  
CONTRACT: AF19 628 500  
MONITOR: ESD , TDR-65-72

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (MILLIMETER WAVES, SCIENTIFIC  
RESEARCH), BIBLIOGRAPHIES, REVIEWS,  
COMMUNICATION SYSTEMS, RADAR EQUIPMENT, RADIO  
ASTRONOMY, SOLID STATE PHYSICS, ELECTROMAGNETIC  
WAVES, PROPAGATION, SPECTRUM ANALYZERS

(U)

THIS REPORT IS THE EDITED TRANSCRIPT OF A SEMINAR  
GIVEN AT LINCOLN LABORATORY ON 2 MARCH 1965.  
THE CYCLICITY OF INTEREST IN MILLIMETER WAVE  
RESEARCH IS TRACED FROM THE TIME OF HERTZ, WHEN  
INVESTIGATIONS OF THIS PART OF THE ELECTROMAGNETIC  
SPECTRUM BEGAN. THE WAXING AND WANING OF  
MILLIMETER WAVE RESEARCH ARE TRACED AS EXCITING NEW  
FIELDS ARE DISCOVERED WHICH DIVERTED THE INTEREST OF  
PHYSICISTS. EACH RE-EMERGENCE OF MILLIMETER WAVE  
RESEARCH HAS BEEN MORE ROBUST, OFTEN BECAUSE THE  
RESULTS OF THE DIVERSIONS WERE IMPORTANT TO IMPROVED  
TECHNIQUES. EARLY MILLIMETER WAVE APPARATUS IS  
DESCRIBED. THE NARRATIVE OF THE DEVELOPMENT OF A  
MILLIMETER WAVE RADAR FOR THE DETECTION OF THE MOON  
RELATES THE OPENING OF THIS SPECTRAL REGION TO RADAR  
ASTRONOMY. OTHER APPLICATIONS ARE MENTIONED, ALONG  
WITH FUTURE POSSIBILITIES. A CHRONOLOGY, A LIST OF  
LARGE MILLIMETER WAVE ANTENNAS, AND A BIBLIOGRAPHY OF  
REVIEW PAPERS ARE INCLUDED. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-622 090

MASSACHUSETTS INST OF TECH CAMBRIDGE LAB FOR INSULATION  
RESEARCH

MATERIALS RESEARCH.

(U)

DESCRIPTIVE NOTE; FINAL REPT.,

NOV 68 67P VON HIPPEL, A. I

REPT. NO. TR-204

CONTRACT: NONR184110

PROJ: NR018 801

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (SOLID STATE PHYSICS),  
(BIBLIOGRAPHIES, MATERIALS), (MATERIALS,  
REPORTS), (SCIENTIFIC RESEARCH, MATERIALS),  
ELECTRICAL PROPERTIES, DIELECTRICS,  
SPECTROSCOPY, CRYSTALS, CRYSTAL STRUCTURE,  
SEMICONDUCTORS, FERROELECTRIC MATERIALS,  
MAGNETIC MATERIALS, CERAMIC MATERIALS,  
INSTRUMENTATION, ELECTRIC INSULATION

(U)

A BIBLIOGRAPHY OF MATERIAL RESEARCH REPORTS BY THE  
LABORATORY FOR INSULATION RESEARCH IS  
PRESENTED.

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-622 225

NAVAL RESEARCH LAB WASHINGTON D C

A BIBLIOGRAPHY OF CERTAIN OPTICAL PROPERTIES OF  
LIQUID WATER IN THE INFRARED REGION (1-2000  
MICRONS),

(U)

AUG 65 18P DAVIS, P. W. I

REPT. NO. NRL B1B-25

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (WATER, OPTICAL PROPERTIES),  
(INFRARED SPECTROSCOPY, WATER), BIBLIOGRAPHIES,  
LIQUIDS, ABSORPTION SPECTRUM, REFLECTION,  
REFRACTIVE INDEX, SALINITY, SEA WATER

(U)

A SELECTIVE BIBLIOGRAPHY WAS COMPILED OF REFERENCES  
PERTAINING TO THE ABSORPTION SPECTRA, REFLECTANCE  
SPECTRA AND OPTICAL CONSTANTS OF LIQUID WATER IN THE  
INFRARED FROM 1 MICRON TO 2000 MICRONS.  
REPRESENTATIVE CURVES ARE PRESENTED FOR ABSORPTION,  
REFLECTANCE AND INDEX OF REFRACTION. THERE IS A  
SERIOUS DEFICIENCY IN THE SCIENTIFIC LITERATURE ON  
THE INFRARED OPTICAL PROPERTIES OF SEA WATER.  
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-623 246

AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D  
C

ULTRASONIC ATTENUATION STUDIES OF IRRADIATED  
MATERIALS: ANNOTATED BIBLIOGRAPHY. (U)

DESCRIPTIVE NOTE: AID WORK ASSIGNMENT NO. 43, TASK 25.

APR 64 11P

REPT. NO. AID-U-64-28

MONITOR: TT , 65-64457

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: BASED ON SOVIET OPEN LITERATURE  
AVAILABLE AT THE AEROSPACE INFORMATION DIV., LIBRARY  
OF CONGRESS.

DESCRIPTORS: (BIBLIOGRAPHIES, ULTRASONIC  
RADIATION), (ULTRASONIC RADIATION, ATTENUATION),  
ABSTRACTING, USSR, ABSORPTION, GASES, CRYSTALS,  
PARAMAGNETIC MATERIALS, MAGNETIC RESONANCE,  
METALS, ELECTROLYTES, SEMICONDUCTORS, MAGNETIC  
PROPERTIES (U)

ULTRASONIC ATTENUATION STUDIES OF IRRADIATED MATERIALS:  
ANNOTATED BIBLIOGRAPHY.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-624 439 20/6 6/4  
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D  
C  
OPTICAL DETECTION; COMPILATION OF ABSTRACTS. (U)  
DESCRIPTIVE NOTE; REPT. NO. 2 ON ATD WORK ASSIGNMENT NO.  
79.  
DEC 65 15P PINDY, FREDERICK I  
REPT. NO. ATD-65-84  
MONITOR: TT, 65-64725

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: CONSISTS OF ABSTRACTS OF ARTICLES  
PUBLISHED IN THE SOVIET LITERATURE DURING JUNE 1964 AND  
EARLY 1965. REPT. ON SURVEYS OF SOVIET SCIENTIFIC  
AND TECHNICAL LITERATURE.

DESCRIPTORS: (OPTICAL SCANNING, BIBLIOGRAPHIES),  
(IMAGES, VISUAL PERCEPTION), (VISUAL  
PERCEPTION, IMAGES), OPTICS, EYE, VISION,  
BIONICS, PATTERN RECOGNITION, INFORMATION  
THEORY, USSR (U)

CONTENTS: IMAGE PERCEPTION AND SCANNING,  
INFORMATIONAL CONTENT OF IMAGES, IMAGE  
IMPROVEMENT. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-625 075 20/2 7/3  
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D  
C  
STRUCTURE OF ORGANIC CRYSTALS. (U)  
DESCRIPTIVE NOTE: BIBLIOGRAPHY,  
DEC 65 41P KOURILO, JOHN I  
REPT. NO. ATD-65-77 ,1  
MONITOR: TT , 65-64858

## UNCLASSIFIED REPORT

**SUPPLEMENTARY NOTE: REPT. ON SURVEYS OF SOVIET  
SCIENTIFIC AND TECHNICAL LITERATURE, COVERING OPEN  
LITERATURE SOURCES IN 1963.**

DESCRIPTORS: (•ORGANIC COMPOUNDS, CRYSTAL  
STRUCTURE), (•CRYSTAL STRUCTURE,  
BIBLIOGRAPHIES), USSR (U)

THE BIBLIOGRAPHY OF 109 ENTRIES IS ARRANGED BY THE FOLLOWING SECTIONS: GENERAL REVIEWS, HYDROCARBONS, HALOGENATED HYDROCARBONS, ALCOHOLS, ESTERS, KETONES AND QUINONES, AMINES AND AMINO ACIDS, AMIDES AND IMIDES, AZO COMPOUNDS, OXONIUM COMPOUNDS, HETEROCYCLIC COMPOUNDS, ORGANOMETALLIC COMPOUNDS, POLYMERS. CORPORATE AUTHOR, PERSONAL AUTHOR, AND SUBJECT INDEXES ARE INCLUDED. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-625 846 20/6 7/4  
ARMY MISSILE COMMAND REDSTONE ARSENAL ALA ADVANCED  
SYSTEMS LAB  
A BIBLIOGRAPHY ON MICROWAVE (ROTATIONAL)  
SPECTROSCOPY, (U)  
AUG 65 106P WOLLRAB, JAMES E. 1  
REPT. NO. RD-TM-65-14

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (MICROWAVE SPECTROSCOPY,  
BIBLIOGRAPHIES), INSTRUMENTATION, LINE SPECTRUM,  
CHEMICAL BONDS, MOLECULAR STRUCTURE, QUADRUPOLE  
MOMENTS, STEREOCHEMISTRY, ELECTRONIC PROPERTIES,  
MAGNETIC PROPERTIES (U)

THE REFERENCES LISTED IN THE BIBLIOGRAPHY INCLUDE A  
MAJORITY OF THE IMPORTANT PAPERS AND BOOKS THAT ARE  
RELATED TO THE DEVELOPMENT OF MICROWAVE SPECTROSCOPY.  
GENERAL REFERENCES RELATING TO THE BASIC CONCEPTS  
OF ROTATIONAL AND, IN A LIMITED WAY, VIBRATIONAL  
SPECTROSCOPY ARE ALSO INCLUDED. THE REFERENCES  
HAVE BEEN PLACED UNDER SPECIFIC TOPIC HEADINGS  
WHENEVER POSSIBLE. A CHRONOLOGICAL ORDER UNDER  
THESE HEADINGS IS MAINTAINED. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-626 597 20/2 7/3  
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D  
C  
STRUCTURE OF ORGANIC CRYSTALS: ANNOTATED  
BIBLIOGRAPHY. (U)  
DESCRIPTIVE NOTE; REPT. NO. 2 ON ATD WORK ASSIGNMENT NO.  
79, TASK 29,  
DEC 65 20P SEEMANN, VICTOR I  
REPT. NO. ATD-65-104  
MONITOR: TT, 66-60263

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: BIBLIOGRAPHY BASED ON SOVIET OPEN-  
SOURCE MATERIALS FOR 1964. APPENDICES 1 AND 2 ARE INDICES  
OF AUTHORS AND ASSOCIATIONS RESPECTIVELY. REPT. ON  
SURVEYS OF SOVIET SCIENTIFIC AND TECHNICAL  
LITERATURE.

DESCRIPTORS: (ORGANIC COMPOUNDS, CRYSTAL  
STRUCTURE), (CRYSTAL STRUCTURE,  
BIBLIOGRAPHIES), USSR (U)

THE ANNOTATED BIBLIOGRAPHY WAS COMPILED FROM  
SOVIET OPEN SOURCES PUBLISHED IN 1964. IT IS THE  
SECOND IN A SERIES AND ENTRIES ARE ARRANGED  
ALPHABETICALLY BY AUTHOR. ARTICLES DEALING WITH  
ELECTRON MICROSCOPY WERE NOT INCLUDED. 83 ENTRIES  
CONTAIN BRIEF ANNOTATIONS INDICATING THE METHOD OF  
INVESTIGATION, EQUIPMENT USED, ETC. MATERIALS  
INVESTIGATED INCLUDE: DINITRONAPHTHALENE,  
QUASIAROMATIC COPPER COMPLEXES, ALPHA-PINENE  
MOLECULES, POLYACRYLONITRILE,  
DIACIDODIETHYLENEDIAMINE COMPOUNDS, VISCOSE CORD  
FIBER, PEPSIN, LIQUID CRYSTALS, ROCHELLE SALT,  
POLYTRIFLUOROCHLOROETHYLENE, L-PHENYLALANINE  
HYDROCHLORIDE, BIFERROCENYL STRUCTURE,  
POLYBENZIMIDAZOLES, PENTAERYTHRITOL, DINITROALKANES,  
DIURENES, DIGUANIDINES, CELLULOSE NITRATES,  
DICYANDIAMIDE, CELLULOSE ETHERS, POLYPROPYLENE  
SPHERULITES, FERROCENEDISULFONYL CHLORIDE, STEARATES  
OF CO(III) AND NI(III), AND DIPHENYLMERCURY.  
THERE ARE TWO APPENDICES: 1. AUTHOR INDEX,  
AND 2. ASSOCIATION INDEX. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-626 615 2U/3  
JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS  
LAB  
BIBLIOGRAPHY ON THERMOELECTRICITY, (U)  
NOV 58 25P GOLDMAN, S. I  
REPT. NO. TG-324  
CONTRACT: NORD-7386  
MONITOR: TT, 66-60265

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (THERMOELECTRICITY,  
BIBLIOGRAPHIES), (BIBLIOGRAPHIES,  
THERMOELECTRICITY), SEMICONDUCTORS, REPORTS,  
USSR, GREAT BRITAIN, FRANCE, SWITZERLAND,  
NETHERLANDS (U)

BIBLIOGRAPHY ON THERMOELECTRICITY.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-627 167 20/12  
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D  
C  
COMPOUND SEMICONDUCTORS: ANALYTICAL SURVEY. (U)  
DESCRIPTIVE NOTE: REPT. NO. 1 ON ATD WORK ASSIGNMENT NO.  
79, TASK 3D.  
DEC 68 73P  
REPT. NO. ATD-68-99  
MONITOR: TT , 66-60385

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: BASED ON SOVIET-BLOC OPEN SOURCE  
MATERIAL FOR THE PERIOD 1 JUL-31 DEC 63, AND ALSO  
MATERIAL FOR 1 JAN-30 JUN 63 WHICH WAS NOT INCLUDED IN  
REPT. 2 OF AID WORK ASSIGNMENT NO. 41, TASK NO. 12.

DESCRIPTORS: (\*SEMICONDUCTORS, REVIEWS),  
BIBLIOGRAPHIES, SCIENTIFIC ORGANIZATIONS, USSR (U)

THE ANALYTICAL SURVEY IS BASED ON SOVIET-  
SATELLITE OPEN SOURCES PUBLISHED 1963-1964. IT  
IS THE FIRST REPORT IN THIS SERIES AND IT CONSISTS OF  
A FORWARD, AN ANALYSIS OF DATA FOR THE ENTIRE  
YEAR 1963, AND AN ANNOTATED BIBLIOGRAPHY WITH 139  
ENTRIES. SECTION 1 OF THE BIBLIOGRAPHY (A11BV  
COMPOUNDS) IS COMPRISED OF 46 ENTRIES, SECTION 2  
(A11BV1 COMPOUNDS) OF 70 ENTRIES, AND SECTION 3  
(A1VB1V COMPOUNDS) OF 3 ENTRIES. THERE ARE 3  
APPENDIXES: (1) TOPIC TAGS INDEX; (2)  
AUTHOR INDEX; (3) ASSOCIATIONS INDEX. THE  
FOLLOWING COMPOUNDS ARE COVERED: INDIUM PHOSPHIDE,  
INDIUM ANTIMONIDE, GALLIUM ANTIMONIDE, GALLIUM  
ARSENIDE, GALLIUM PHOSPHIDE, ALUMINUM NITRIDE,  
CADMIUM TELLURIDE, GALLIUM NITRIDE, INDIUM NITRIDE,  
BORON PHOSPHIDE, CADMIUM SELENIDE, CADMIUM SULFIDE,  
MERCURY SULFIDE, ZINC SULFIDE, ZINC TELLURIDE,  
MERCURY TELLURIDE, AND SILICON CARBIDE. ACCORDING  
TO THE ANALYST THE FOLLOWING TRENDS HAVE BECOME  
APPARENT: (1) THE NUMBER OF STUDIES MADE BY  
NONCENTRALLY LOCATED SCIENTIFIC INSTITUTIONS HAS  
INCREASED AT THE EXPENSE OF THE CENTRAL INSTITUTES;  
(2) A CERTAIN SPECIALIZATION OF RESEARCH  
INSTITUTIONS IS APPARENT; (3) NEW FACILITIES ARE  
BEING DEVELOPED. (AUTHOR) (U)



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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-627 901 20/9  
GRADUATE AERONAUTICAL LABS CALIF INST OF TECH  
PASADENA  
BIBLIOGRAPHY ON MHD CHANNEL FLOW. (U)  
DESCRIPTIVE NOTE: FINAL REPT., PT. 3.  
65 18P HARSTAD, K. I  
CONTRACT: AF49(638)-1348  
PROJ: AF-4661  
TASK: 4661246  
MONITOR: AFOSR , 65-2019

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*MAGNETOHYDRODYNAMICS,  
BIBLIOGRAPHIES), FLUID FLOW, MAGNETIC FIELDS,  
MAGNETOHYDRODYNAMIC GENERATORS (U)

A BIBLIOGRAPHY OF ONE HUNDRED AND SEVENTY  
REFERENCES IS PRESENTED ON MAGNETOHYDRODYNAMIC  
CHANNEL FLOW. THE REFERENCES ARE ARRANGED  
ALPHABETICALLY BY AUTHOR, GENERALLY WITH BRIEF  
ANNOTATIONS. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-628 200 20/14 4/2 17/9 20/5

LINCOLN LAB MASS INST OF TECH LEXINGTON  
SCATTERING AND ATTENUATION BY PRECIPITATION  
PARTICLES.

(U)

AUG 65 72P BOUDREAU, CAROL A. I

STONE, MELVIN L. I

REPT. NO. REF BIBLIOGRAPHY-26

CONTRACT: AF 19(628)-5167,

PROJ: AF-649L

MONITOR: ESD ,

TDR-65-598

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*RADAR SIGNALS, SCATTERING),  
(\*LASERS, SCATTERING), (\*ATMOSPHERIC  
PRECIPITATION, INTERFERENCE), (\*METEOROLOGICAL  
RADAR, BIBLIOGRAPHIES), RADAR INTERFERENCE,  
OPTICAL PHENOMENA, ATTENUATION, MICROWAVES,  
PROPAGATION, CLOUDS, FOG, THERMAL RADIATION,  
DIELECTRICS, PARTICLES

(U)

THIS BIBLIOGRAPHY IS OFFERED TO ENCOURAGE THE  
FURTHER APPLICATION OF RADAR METEOROLOGICAL  
TECHNIQUES AND DATA IN CONNECTION WITH THE STUDY OF  
THE EFFECTS OF HYDROMETEORS, PRECIPITATION, CLOUDS  
AND FOG ON MICROWAVE PROPAGATION. IT COMBINES  
MATERIAL DEVELOPED IN REGARD TO WEATHER RADAR  
RESEARCH WITH THE MORE CONVENTIONAL WORKS ON  
ATTENUATION. IN ADDITION TO THE WEATHER RADAR  
MATERIAL, THE BIBLIOGRAPHY INCLUDES REFERENCES ON  
THERMAL RADIATION FROM PRECIPITATION, CLOUD PHYSICS,  
AND DIELECTRIC AND SCATTERING PROPERTIES OF  
HYDROMETEORS. SOME OF THE REFERENCES ARE PERTINENT  
TO THE STUDY OF PROPAGATION AT OPTICAL WAVELENGTHS  
AND ARE USEFUL IN EVALUATING THE PERFORMANCE OF LASER  
COMMUNICATIONS SYSTEMS. THE 494 REFERENCES  
INCLUDED ARE FROM THE LITERATURE PUBLISHED BETWEEN  
JANUARY 1950 AND OCTOBER 1964.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-630 295 20/4  
MASSACHUSETTS INST OF TECH CAMBRIDGE ENGINEERING PROJECTS  
LAB  
AN INDEX TO THE TWO-PHASE GAS-LIQUID FLOW LITERATURE.  
PART III, (U)  
JAN 66 262P GOUSE, S. WILLIAM, JR. I  
REPT. NO. DSR-8734-6,  
CONTRACT: NONR-184.173),

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-607 180.

DESCRIPTORS: (TWO-PHASE FLOW, BIBLIOGRAPHIES),  
STATE-OF-THE-ART REVIEWS, GAS FLOW, FLUID FLOW,  
INDEXES (U)

A TOTAL OF 1,453 SEPARATE REFERENCES ON CERTAIN  
TYPES OF TWO-PHASE GAS-LIQUID FLOW PHENOMENA WERE  
FOUND, VERIFIED, LISTED, AND INDEXED BY SUBJECT AND  
PRINCIPAL AUTHOR. THIS LITERATURE SURVEY WAS  
CARRIED OUT AS ONE PHASE OF A CONTINUING PROGRAM TO  
DETERMINE THE STATE OF THE ART IN TWO-PHASE GAS-  
LIQUID FLOW PHENOMENA. THIS IS THE TERMINAL REPORT  
OF A PROGRAM THAT HAS SEEN THE PUBLICATION OF TWO  
PRIOR INDICES, TOTALING 5,235 REFERENCES ON TWO-PHASE  
GAS-LIQUID FLOW. THE PROBLEM AREAS OF  
CONDENSATION, CAVITATION, AND ATOMIZATION HAVE BEEN  
GENERALLY EXCLUDED, EXCEPT THROUGH ERROR OR WHEN  
REFERENCES WERE OF SUCH A BASIC CHARACTER AS TO BE  
GENERALLY USEFUL. A FREQUENCY OF CITATION ANALYSIS  
WAS CARRIED OUT TO DETERMINE WHICH OF THE 5,235  
REFERENCES HAVE BEEN MOST FREQUENTLY CITED.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-630 602 20/8

AIR FORCE INST OF TECH WRIGHT-PATTERSON AFB OHIO  
THE MEASUREMENTS OF E/M, AN ANNOTATED  
BIBLIOGRAPHY.

(U)

DESCRIPTIVE NOTE: TECHNICAL REPT.,

MAY 60 B3P VINCZE, TIBOR I

REPT. NO. TR-60-3.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (ELECTRONS, PHYSICAL PROPERTIES),  
BIBLIOGRAPHIES, ELECTROSTATICS, MEASUREMENT,  
REVIEWS, ELECTRON BEAMS

(U)

IDENTIFIERS: MASS

(U)

A HISTORICAL REVIEW IS PRESENTED OF LITERATURE FROM  
1897 TO 1957.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-632 594 20/4  
MASSACHUSETTS INST OF TECH CAMBRIDGE ENGINEERING PROJECTS  
LAB  
DETERMINATION OF THE STATE OF THE ART IN TWO-PHASE  
GAS-LIQUID FLOW PHENOMENON. (U)  
DESCRIPTIVE NOTE: FINAL REPT., 1 FEB 61-31 DEC 65,  
APR 66 6P GOUSE, S. W., JR. I  
CONTRACT: NONR-1841(73),  
PROJ: DSR-8734,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•TWO-PHASE FLOW, STATE-OF-THE-ART  
REVIEWS), (•GAS FLOW, TWO-PHASE FLOW),  
(•LIQUIDS, TWO-PHASE FLOW), RESEARCH PROGRAM  
ADMINISTRATION, BIBLIOGRAPHIES (U)

THE PURPOSE OF THE PROGRAM WAS TO CONDUCT AN  
EXTENSIVE AND DETAILED STUDY OF THE LITERATURE ON  
TWO-PHASE GAS-LIQUID FLOW PHENOMENA AND TO COMPILE  
THE RESULTS OF SUCH A STUDY IN A USEFUL FORM. A  
THREE-PART BIBLIOGRAPHY AND SUBJECT INDEX TO THE  
LITERATURE WERE PUBLISHED LISTING AND INDEXING BY  
SUBJECT 5,253 SEPARATE REFERENCES ON TWO-PHASE GAS-  
LIQUID FLOW PHENOMENA, EXCLUDING THE PROBLEM AREAS OF  
CONDENSATION, CAVITATION, AND ATOMIZATION. FOUR  
TECHNICAL REPORTS, PRESENTING REVIEWS OF VARIOUS  
PROBLEM AREAS WERE ALSO COMPLETED AND DISTRIBUTED.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-633 101 20/9  
STANFORD UNIV CALIF INST FOR PLASMA RESEARCH  
BIBLIOGRAPHY OF STANFORD REPORTS, PAPERS AND  
CONFERENCE PRESENTATIONS ON PLASMA PHYSICS. (U)  
FEB 66 66P  
REPT. NO. SU-IPR-52.

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*PLASMA PHYSICS, \*BIBLIOGRAPHIES),  
SCIENTIFIC RESEARCH, REPORTS, SYMPOSIA (U)

CONTENTS: PUBLICATIONS SINCE FORMATION OF  
INSTITUTE FOR PLASMA RESEARCH. PUBLICATIONS  
BEFORE FORMATION OF INSTITUTE FOR PLASMA  
RESEARCH: AERONAUTICS AND ASTRONAUTICS  
DEPARTMENT, MECHANICAL ENGINEERING  
DEPARTMENT, MICROWAVE LABORATORY, STANFORD  
ELECTRONICS LABORATORY. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-633 139 20/4 1/3  
DAVID TAYLOR MODEL BASIN WASHINGTON D C AERODYNAMICS  
LAB  
LITERATURE SEARCH AND COMPREHENSIVE BIBLIOGRAPHY OF  
WINGS IN GROUND EFFECT AND RELATED PHENOMENA, (U)  
MAR 66 106P FOSHAG, WILLIAM F. I  
REPT. NO. AERO-1098,  
MONITOR: DTMB, 2179

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*WINGS, BIBLIOGRAPHIES), (\*GROUND  
EFFECT, WINGS), SEAPLANES, AERODYNAMIC  
CHARACTERISTICS, LIFT, GROUND EFFECT MACHINES,  
HYDROFOILS, VERTICAL TAKE-OFF PLANES, SHORT  
TAKE-OFF PLANES, HYDRODYNAMICS, METEOROLOGY,  
AIRFOILS, WIND TUNNELS (U)  
IDENTIFIERS: KATZHAYER EFFECT (U)

A COMPREHENSIVE SURVEY AND LITERATURE SEARCH IS  
MADE OF THE GENERAL FIELD OF WINGS OPERATING IN  
GROUND EFFECT AND RELATED PHENOMENA. COMMENTS ARE  
INCLUDED OF SOME OF THE PAPERS PUBLISHED, TO PRESENT  
A SKETCH OF THE METHODS OF APPROACH OF A NUMBER OF  
AUTHORS. THE BIBLIOGRAPHY PRESENTS SOURCES WHICH  
CONSIDER THE PROBLEM FROM THE THEORETICAL,  
EXPERIMENTAL, AND/OR APPLICATIONS POINT OF VIEW.  
TABLES ARE INCLUDED WHICH PROVIDE A CONVENIENT  
BREAKDOWN OF THE VARIOUS SOURCES, FOR A QUICKER  
METHOD OF LOCATING SPECIFIC REFERENCES DEALING WITH  
AN AREA OF SPECIAL INTEREST TO THE READER.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-634 013 20/6  
UNIVERSITY OF SOUTHERN CALIFORNIA LOS ANGELES DEPT OF  
ELECTRICAL ENGINEERING  
RESEARCH IN OPTICAL COHERENCE. (U)  
DESCRIPTIVE NOTE; FINAL REPT.,  
DEC 65 20P MACHILLAN, ROBERT S. I  
YOUNG, GREGORY O. IARNETT, JAMES D. I  
PRATT, WILLIAM K. I  
REPT. NO. USCEE-168,  
CONTRACT: AF-AFOSR-188-65,  
PROJ: AF-9768,  
TASK: 976802,  
MONITOR: AFOSR , 66-0917

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (OPTICS, STATE-OF-THE-ART REVIEWS),  
LIGHT COMMUNICATION SYSTEMS, INFORMATION THEORY,  
BIBLIOGRAPHIES (U)  
IDENTIFIERS: OPTICAL COHERENCE (U)

CONTENTS: COHERENCE STUDIES, FUNCTIONAL  
TRANSFORMATIONS, OPTICAL POLARIZATION  
MODULATION, A TEST FOR ERGODICITY FOR A  
CERTAIN CLASS OF RANDOM PROCESSES, LENS  
SYSTEM OPTIMIZATION, BIBLIOGRAPHY OF  
PUBLICATIONS. (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AU-635 197 20/3  
NAVAL ORDNANCE LAB CORONA CALIF  
BIBLIOGRAPHY ON THE HALL EFFECT THEORY, DESIGN AND  
APPLICATIONS. SUPPLEMENT II. (U)  
JUN 66 33P TURNBULL, W. R. I  
REPT. NO. NOLC-659,  
TASK: RREN-04-012/211-1/F008-21-01,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (HALL EFFECT, BIBLIOGRAPHIES),  
ELECTRONIC EQUIPMENT, ELECTRICAL ENGINEERING (U)

THIS SUPPLEMENT CONTINUES THE INTERNATIONAL SURVEY  
OF UNCLASSIFIED SCIENTIFIC PAPERS AND REPORTS ON  
RESEARCH AND DEVELOPMENT OF THE HALL EFFECT, AND ON  
ELECTRONIC DEVICES BASED ON THE HALL EFFECT, TO 1  
APRIL 1966. THE BASIC DOCUMENT WAS NAVWEPS  
REPORT 7233 (AD-283 808); SUPPLEMENT 1 WAS  
NAVWEPS REPORT 8168 (AD-420 105). (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-635 495 20/2 20/12 13/8  
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D  
C  
ULTRAHIGH PRESSURE STUDIES AND CRYSTAL GROWTH  
TECHNIQUES: ANALYTICAL SURVEY. (U)  
DESCRIPTIVE NOTE: REPT. NO. 1 ON ATD WORK ASSIGNMENT NO.  
79, TASK 25.  
MAY 66 64P KOURILO, JOHN J. I  
REPT. NO. ATD-66-56,  
MONITOR: TT 66-61772

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: BASED ON SOVIET-SATELLITE OPEN  
SOURCES PUB. IN 1963. REPT. ON SURVEYS OF FOREIGN  
SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (\*CRYSTALS, \*HIGH-PRESSURE  
RESEARCH), (\*CRYSTAL GROWTH, SINGLE CRYSTALS),  
USSR, ABSTRACTS, BIBLIOGRAPHIES, FILMS,  
SEMICONDUCTORS, EPITAXIAL GROWTH, SEMICONDUCTING  
FILMS, LASERS, PIEZOELECTRIC CRYSTALS,  
LUMINESCENCE, FERROELECTRIC CRYSTALS,  
FERROMAGNETIC MATERIALS, DIELECTRICS, INORGANIC  
COMPOUNDS (U)

IDENTIFIERS: THIN FILMS (M)

THIS REPORT IS DIVIDED INTO TWO MAIN PARTS  
(ANALYTICAL EVALUATION OF DATA AND ANNOTATED  
BIBLIOGRAPHY), EACH HAVING THREE SECTIONS. THE  
THREE SECTIONS ARE: GENERAL STUDIES, ULTRAHIGH  
PRESSURE STUDIES, AND CRYSTAL GROWTH TECHNIQUES, IN  
THAT ORDER. SECTION 3 WAS FURTHER SUBDIVIDED, FOR  
THE PURPOSE OF RETRIEVAL, INTO SIX CHAPTERS ACCORDING  
TO THE CATEGORY OF THE GROWTH TECHNIQUE. THE  
CHAPTERS ARE: A. GROWTH FROM MELTS; B. GROWTH  
FROM SOLUTION (FLUX); C. HYDROTHERMAL GROWTH;  
D. GROWTH FROM VAPOR PHASE; E. EPITAXIAL GROWTH  
OF THIN FILMS; F. OTHER GROWTH TECHNIQUES. THE  
REPORT INCLUDES MATERIAL DEALING WITH ULTRAHIGH  
PRESSURE STUDIES AND TECHNIQUES OF SINGLE CRYSTAL  
GROWTH (INCLUDING DEPOSITION OF SINGLE CRYSTALLINE  
THIN FILMS) OF THE ELEMENTAL SEMICONDUCTORS AND  
SEMICONDUCTING, LASING, LUMINESCENT, FERROELECTRIC,  
FERROMAGNETIC, PIEZOELECTRIC, DIELECTRIC, AND OTHER  
INORGANIC COMPOUNDS WHICH MAY BE OF INTEREST FOR  
AEROSPACE TECHNOLOGY. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY    SEARCH CONTROL NO. 000362

AD-640 270                    20/8  
NAVAL RESEARCH LAB WASHINGTON D C  
BIBLIOGRAPHY OF TRITON INDUCED REACTIONS,                    (U)  
AUG 65    35P    OWEN, DAVID I  
REPT. NO. NRL-BIB-28,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS:    (\*TRITONS, \*NUCLEAR REACTIONS),  
BIBLIOGRAPHIES, ABSTRACTS, INDEXES, TRITON                    (U)  
BOMBARDMENT

THE BIBLIOGRAPHY CONTAINS SUMMARIES OF THE ARTICLES  
PUBLISHED ON TRITON INDUCED REACTION BETWEEN 1961 AND  
1965. ALSO INCLUDED IS BOTH AN AUTHOR AND A  
SUBJECT INDEX TO INCREASE THE UTILITY OF THE                    (U)  
BIBLIOGRAPHY. (AUTHOR)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-640 465 20/11 11/6 11/2 11/9  
BATTELLE MEMORIAL INST COLUMBUS OHIO COLUMBUS LABS  
DAMPING CAPACITY OF MATERIALS, (U)  
JAN 66 391P MARINGER, ROBERT E. ;  
CONTRACT: DA-01-021-AMC-11706(Z),  
MONITOR: RSIC 508-VOL-1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (MATERIALS, INTERNAL FRICTION),  
(DAMPING, MATERIALS), SOLIDS, METALS,  
ALLOYS, POLYMERS, CERAMIC MATERIALS,  
BIBLIOGRAPHIES, PLASTICS (U)

THE REPORT CONTAINS A BRIEF INTRODUCTION TO THE  
FIELD OF DAMPING CAPACITY IN MATERIALS AND AN  
EXTENSIVE, ANNOTATED BIBLIOGRAPHY. THE INTRODUCTORY  
MATERIAL PRESENTS THE FUNDAMENTALS OF DAMPING,  
GENERAL METHODS OF MEASURING INTERNAL FRICTION OR  
DAMPING CAPACITY, AND SOME REPRESENTATIVE DAMPING  
PROPERTIES. THE BIBLIOGRAPHY CONTAINS OVER 2300  
REFERENCE TO PERTINENT LITERATURE PUBLISHED FROM 1955  
THROUGH 1965, AND IS CROSS-INDEXED BY BOTH AUTHOR AND  
SUBJECT. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-640 689 20/11 11/6 11/2 11/4  
11/9

BATTELLE MEMORIAL INST COLUMBUS OHIO

DAMPING CAPACITY OF MATERIALS, (U)

JAN 66 394P MARINGER, ROBERT E. I

CONTRACT: DA-01-021-AMC-11706(Z),

MONITOR: RSIC 508-VOL-2

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-640 465.

DESCRIPTORS: (\*MATERIALS, \*DAMPING),  
BIBLIOGRAPHIES, INTERNAL FRICTION, METALS,  
ALLOYS, CERAMIC MATERIALS, PLASTICS, COMPOSITE  
MATERIALS (U)

THIS REPORT CONTAINS A BRIEF INTRODUCTION TO THE  
FIELD OF DAMPING CAPACITY IN METALS AND AN EXTENSIVE,  
ANNOTATED BIBLIOGRAPHY. THE INTRODUCTORY MATERIAL  
PRESENTS THE FUNDAMENTALS OF DAMPING, GENERAL METHODS  
OF MEASURING INTERNAL FRICTION OR DAMPING CAPACITY,  
AND SOME REPRESENTATIVE DAMPING PROPERTIES. THE  
BIBLIOGRAPHY CONTAINS OVER 2300 REFERENCES TO  
PERTINENT LITERATURE PUBLISHED FROM 1955 THROUGH  
1965, AND IS CROSS-INDEXED BY BOTH AUTHOR AND  
SUBJECT. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-641 176 20/4  
NAVAL ORDNANCE LAB WHITE OAK MD  
THE WATER ENTRY PROBLEM WITH BIBLIOGRAPHY, (U)  
AUG 66 BSP PARR, WALLACE E. I  
REPT. NO. NOLTR-66-173, MATHEMATICS DEPT-M-65

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (WATER ENTRY, MATHEMATICAL  
MODELS), (BIBLIOGRAPHIES, WATER ENTRY),  
HYDRODYNAMICS (U)

THE REPORT IS A SURVEY OF THE WATER ENTRY PROBLEM  
AND ITS VARIOUS MATHEMATICAL FORMULATIONS.  
INCLUDED ARE DISCUSSIONS ON THE INCOMPRESSIBLE  
CASE, THE COMPRESSIBLE CASE, THE LINEARIZED  
INCOMPRESSIBLE, THE LINEARIZED COMPRESSIBLE,  
REFLECTED LINEARIZED INCOMPRESSIBLE, LAGRANGIAN,  
TWO-DIMENSIONAL AND AXIALLY-SYMMETRIC CASES. ALSO  
DISCUSSED ARE THE SOURCE AND DIPOLE FORMULATIONS,  
CALCULATION OF ADDED MASSES, SIMILAR SOLUTIONS,  
PROBLEMS RELATED TO WATER ENTRY, AND A NOTE OF  
CAUTION CONCERNING THE CONSERVATION OF MASS IN AN  
INFINITE REGION. FINALLY, A FAIRLY EXTENSIVE  
BIBLIOGRAPHY IS GIVEN PRIMARILY COVERING THEORETICAL  
WORK ON THE WATER ENTRY AND RELATED PROBLEMS.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-641 504 20/14 20/10  
JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS  
LAB  
RELATIVISTIC EFFECT ON THE CLASSICAL DOPPLER SHIFT: (U)  
AN ANNOTATED BIBLIOGRAPHY,  
FEB 64 10P BLAU, EDMUND J. 1  
REPT. NO. TG-230-B2  
CONTRACT: N0W-62-0604

UNCLASSIFIED REPORT

DESCRIPTORS: (\*BIBLIOGRAPHIES, \*DOPPLER EFFECT),  
(\*RELATIVITY THEORY, DOPPLER EFFECT), ABSTRACTS, (U)  
PHYSICS (U)  
IDENTIFIERS: DOPPLER SHIFT

THE CLASSICAL PROBLEM OF THE DOPPLER SHIFT OF RADIATION TRANSMITTED BETWEEN TWO BODIES MOVING RELATIVE TO EACH OTHER TOOK ON A NEW ASPECT WITH THE ADVENT OF THE SPACE AGE IN 1957. WHEN MEASUREMENTS ARE MADE BETWEEN THE EARTH AND AN ARTIFICIAL SATELLITE, THE DISTANCE BETWEEN THE OBJECTS IS LARGE ENOUGH SO THAT THE FINITE TIME OF PROPAGATION OF A SIGNAL BETWEEN THE TWO MUST BE TAKEN INTO ACCOUNT. THE CLASSICAL EQUATIONS FOR THE DOPPLER EFFECT MUST ACCORDINGLY BE MODIFIED OR GENERALIZED TO TAKE INTO ACCOUNT THIS RELATIVISTIC EFFECT. WHILE THE CONCEPT OF SIMULTANEITY IN RELATION TO MEASUREMENT AT A DISTANCE WAS NOT NEGLECTED IN EARLIER PAPERS ON RELATIVITY, THE RECENT PRACTICAL IMPORTANCE OF THE PROBLEM HAS GIVEN RISE TO A NUMBER OF NEW PAPERS IN WHICH THE THEORETICAL AND MATHEMATICAL ASPECTS OF THE DOPPLER EFFECT ARE EXAMINED CRITICALLY IN THE LIGHT OF RELATIVITY THEORY. IT IS THESE NEW INVESTIGATIONS WHICH FORM THE SUBJECT MATTER OF THE PRESENT BIBLIOGRAPHY. THE REFERENCES INCLUDED WERE OBTAINED FROM PHYSICS ABSTRACTS AND ELECTRICAL ENGINEERING ABSTRACTS AND THE PERIOD COVERED WAS 1956 THROUGH 1963. THE ABSTRACTS WERE TAKEN FROM THE ABSTRACT JOURNALS, AS NOTED, EXCEPT FOR THAT OF ARTICLE 10, WHICH WAS WRITTEN BY THE COMPILER. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-642 54: 20/12 11/6  
FEDERAL AVIATION AGENCY OKLAHOMA CITY OKLA AERONAUTICAL  
CENTER  
CRACK PROPAGATION: SELECTED REFERENCES. (U)  
JAN 65 57P  
REPT. NO. FAA BIBLIOGRAPHIC LIST-3

UNCLASSIFIED REPORT

DESCRIPTORS: (FRACTURE(MECHANICS),  
BIBLIOGRAPHIES), ACOUSTICS, ALUMINUM,  
CORROSION, LOADING(MECHANICS), STRESSES,  
MATERIALS, STEEL, STRUCTURES, TEMPERATURE,  
TITANIUM, TESTS (U)

CONTENTS: ACOUSTICS; ALUMINUM COMPONENTS;  
CORROSION; LOADING AND STRESS; MATERIALS; STEEL;  
STRUCTURES; TEMPERATURE; TITANIUM TESTING. (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-643 127 20/8 18/8  
ARMED FORCES RADIOBIOLOGY RESEARCH INST BETHESDA MD  
GAMMA RAY SPECTRAL ANALYSIS: A SELECTED  
BIBLIOGRAPHY. (U)  
DESCRIPTIVE NOTE: SPECIAL PUBLICATION.  
SEP 66 26P MASON, G. F. I  
REPT. NO. AFRR1-SP66-10

UNCLASSIFIED REPORT

DESCRIPTORS: (GAMMA-RAY SPECTROSCOPY,  
BIBLIOGRAPHIES), RADIOACTIVE ISOTOPES,  
RADIOACTIVE FALLOUT, NUCLEAR RADIATION  
SPECTROMETERS, RADIOACTIVATION ANALYSIS (U)

THIS BIBLIOGRAPHY IS A COLLECTION OF REFERENCES  
WHICH DEALS WITH THE ANALYSIS OF GAMMA SPECTRA BY ALL  
METHODS. ENTRIES ARE LIMITED TO THOSE SOURCES  
WHICH DEAL WITH THE ACTUAL ANALYSIS PHASE OF GAMMA  
SPECTROSCOPY BUT SOME DETAILS ARE PRESENT CONCERNING  
EQUIPMENT AND SAMPLE PREPARATION BECAUSE MANY GROUPS  
HAVE PUBLISHED SYSTEMS IN THEIR ENTIRETY. IN EVERY  
CASE, HOWEVER, THERE IS A SECTION ON DATA ANALYSIS  
AFTER ACQUISITION. SOME REFERENCES CONTAIN  
THEORETICAL MATERIAL NECESSARY FOR THE DEVELOPMENT OF  
AN OPERATING SYSTEM, OR THE RESULTS OF STUDIES OF  
THEORETICAL METHODS. ALL OF THE REFERENCES ARE  
FROM THE PERIOD 1956 TO 1966. AN AUTHOR INDEX IS  
INCLUDED. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-643 212 20/3  
POLYTECHNIC INST OF BROOKLYN N Y MICROWAVE RESEARCH  
INST  
BIBLIOGRAPHY ON THE ENGINEERING OF HIGH INTENSITY  
MAGNETIC FIELDS, (U)  
MAR 60 BP KRAMARENKO, PETER I  
REPT. NO. MEMO-14, PIBHRI-822-60  
CONTRACT: AF-30(602)-2149

UNCLASSIFIED REPORT

DESCRIPTORS: (MAGNETIC FIELDS, BIBLIOGRAPHIES),  
COILS, DESIGN, INTENSITY (U)

ANYBODY INTERESTED IN THE PROBLEMS ASSOCIATED WITH  
THE VARIOUS ASPECTS OF THE DESIGN OF COILS FOR HIGH  
INTENSITY MAGNETIC FIELDS WILL FIND THAT THE SUBJECT  
MATTER INVOLVED IS SCATTERED THROUGHOUT THE AVAILABLE  
LITERATURE. PAPERS HAVE BEEN LISTED IN  
CHRONOLOGICAL ORDER AND SOME NOTES ABOUT THE CONTENTS  
HAVE BEEN ADDED WHEREVER THE PAPERS WERE AVAILABLE. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-644 489 20/14 17/2  
JOHNS HOPKINS UNIV SILVER SPRING MD APPLIED PHYSICS  
LAB  
ELECTROMAGNETIC WAVE PROPAGATION IN CONDUCTING MEDIA:  
AN ANNOTATED BIBLIOGRAPHY. (U)  
DESCRIPTIVE NOTE; APL LIBRARY BULLETIN,  
SEP 66 64P BLAU, E. J. ILUN, M. J. 1  
REPT. NO. TG-230-B4  
CONTRACT: NOW-62-0604

UNCLASSIFIED REPORT

DESCRIPTORS: (\*RADIO TRANSMISSION, OCEANS),  
(\*ELECTROMAGNETIC WAVES, PROPAGATION),  
(\*BIBLIOGRAPHIES, ELECTROMAGNETIC WAVES),  
ABSTRACTS, UNDERWATER COMMUNICATION SYSTEMS,  
ANTENNAS, THEORY (U)

THIS DOCUMENT IS AN ANNOTATED BIBLIOGRAPHY OF THE  
JOURNAL AND TECHNICAL REPORT LITERATURE (TO  
AUGUST 1966) ON ELECTROMAGNETIC WAVE PROPAGATION  
IN CONDUCTING MEDIA, WITH EMPHASIS ON THE OCEAN.  
REFERENCES ON ANTENNA THEORY AND PERFORMANCE ARE  
ALSO INCLUDED. THIS WORK INCLUDES 164 REFERENCES  
AND AN AUTHOR INDEX. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-645 393 20/8 18/2  
CALIFORNIA INST OF TECH PASADENA  
ENERGY LEVELS OF LIGHT NUCLEI (VII). A=5-10, (U)  
SEP 65 178P LAURITSEN, T. IAJZENBERG-  
SELOVE, F. I  
CONTRACT: NONR-220(47)

UNCLASSIFIED REPORT  
AVAILABILITY: PUBLISHED IN NUCLEAR PHYSICS V78 N1  
P1-176 1966.  
SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH  
HAVERFORD COLL., PA. SEE ALSO AD-287 127.

DESCRIPTORS: (\*NUCLEAR ENERGY LEVELS, REVIEWS),  
(\*HYDROGEN, NUCLEAR ENERGY LEVELS), (\*HELIUM,  
NUCLEAR ENERGY LEVELS), (\*LITHIUM, NUCLEAR  
ENERGY LEVELS), (\*BERYLLIUM, NUCLEAR ENERGY  
LEVELS), (\*BORON, NUCLEAR ENERGY LEVELS),  
NUCLEAR STRUCTURE, NUCLEAR PROPERTIES, NUCLEAR  
REACTIONS, TABLES, DIAGRAMS, BIBLIOGRAPHIES,  
NUCLEAR ISOBARS (U)

THE ARTICLE IS A SUMMARY OF EXISTING EXPERIMENTAL  
INFORMATION ON THE STRUCTURE AND PROPERTIES OF THE  
NUCLEI WITH MASS NUMBERS FIVE THROUGH TEN. EACH  
NUCLEUS IS REPRESENTED BY A DIAGRAM AND A TABLE  
EXHIBITING THE KNOWN PROPERTIES OF THE ENERGY LEVELS  
AND THE NUCLEAR REACTIONS FROM WHICH THE INFORMATION  
DERIVES. THE ACCOMPANYING TEXT CONTAINS AN  
ABBREVIATED DISCUSSION AND A SELECTED BIBLIOGRAPHY  
FOR EACH RELEVANT REACTION. SINCE MOST NUCLEAR  
REACTIONS PROVIDE INFORMATION ON MORE THAN ONE  
NUCLEUS EACH REACTION IS LISTED UNDER BOTH THE  
COMPOUND AND THE RESIDUAL NUCLEI, WITH DIFFERENTLY  
ORIENTED DISCUSSIONS AND PARTIALLY OVERLAPPING  
BIBLIOGRAPHIES. AT THE BEGINNING OF THE TEXT  
MATERIAL ON EACH NUCLEUS, A 'GENERAL' BIBLIOGRAPHY IS  
LISTED. THIS LISTING CONSISTS MAINLY OF  
THEORETICAL PAPERS DEALING WITH THIS NUCLEUS,  
ALTHOUGH SOME EXPERIMENTAL PAPERS NOT OTHERWISE  
CLASSIFIABLE ARE ALSO INCLUDED. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-649 862 20/8 7/4  
NATIONAL BUREAU OF STANDARDS BOULDER COLO LAB ASTROPHYSICS  
DIV  
BIBLIOGRAPHY OF LOW ENERGY ELECTRON COLLISION CROSS  
SECTION DATA, (U)  
MAR 67 96P KIEFFER, L. J. ;  
MONITOR: NBS MISCELLANEOUS PUB-289

UNCLASSIFIED REPORT  
AVAILABILITY: HARD COPY AVAILABLE FROM  
SUPERINTENDENT OF DOCUMENTS, GPO, WASHINGTON, D.  
C. 20402 80.50.

DESCRIPTORS: (\*ELECTRONS, SCATTERING),  
(\*ELECTRON BOMBARDMENT, BIBLIOGRAPHIES),  
PROBABILITY, INTERACTIONS, POSITRONS, ELASTIC  
SCATTERING, ATOMIC ENERGY LEVELS, MOLECULAR ENERGY  
LEVELS, GAS IONIZATION, RECOMBINATION REACTIONS, (U)  
EXCITATION (U)  
IDENTIFIERS: DEFENDER PROJECT

A BIBLIOGRAPHY OF LOW ENERGY ELECTRON COLLISION  
CROSS SECTION DATA IS PRESENTED. ONLY REFERENCES  
WHICH REPORT ORIGINAL MEASUREMENTS OR CALCULATIONS OF  
ELECTRON COLLISION CROSS SECTIONS ARE INCLUDED.  
THE CROSS SECTION DATA FOR EACH PROCESS ARE LISTED  
BY ATOMIC SPECIES IN ORDER OF THEIR ATOMIC NUMBER.  
THE DATA FOR MOLECULES ARE LISTED IN ARBITRARY  
ORDER. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY    SEARCH CONTROL NO. 000362

AD-651 376                    20/3  
STANFORD RESEARCH INST MENLO PARK CALIF  
SUPERCONDUCTING DEVICES: A LITERATURE SURVEY,                    (U)  
MAR 67    72P                    GOREE, WILLIAM S. I  
EDELSACK, EDGAR A. I

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: PREPARED IN COOPERATION WITH OFFICE  
OF NAVAL RESEARCH, WASHINGTON, D. C.

DESCRIPTORS: (SUPERCONDUCTORS,  
BIBLIOGRAPHIES), SUPERCONDUCTIVITY, REVIEWS                    (U)

THIS BIBLIOGRAPHY OF THE LITERATURE OF  
SUPERCONDUCTING DEVICES AND RELATED RESEARCH COVERS  
MOST EXTENSIVELY THE PERIOD FROM 1959 TO MARCH,  
1967, AND CONTAINS APPROXIMATELY 1,000 ENTRIES  
REPRESENTING ENGLISH AND FOREIGN LANGUAGE  
PUBLICATIONS. ABOUT 300 ENTRIES ARE ON SPECIFIC  
SUPERCONDUCTING DEVICES. SOME 150 UNITED  
STATES PATENTS ARE ALSO LISTED. SO MANY  
REFERENCES WERE AVAILABLE RELATING SOLELY TO  
SUPERCONDUCTING MAGNETS AND COMPUTER ELEMENTS THAT  
THE LISTING OF THESE WAS RESTRICTED.                    (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-652 881 20/11  
ARMY MATERIALS RESEARCH AGENCY WATERTOWN MASS  
A REPORT GUIDE TO FATIGUE TESTING LITERATURE. (U)  
DESCRIPTIVE NOTE; MONOGRAPH SERIES;  
MAY 67 69P MERHIB, CHARLES P. I  
REPT. NO. AMRA-MS-67-05

UNCLASSIFIED REPORT

DESCRIPTORS: (FATIGUE(MECHANICS), TESTS),  
BIBLIOGRAPHIES, ABSTRACTS, NON-DESTRUCTIVE  
TESTING, FAILURE(MECHANICS), TEST METHODS, (U)  
CRACKS

THE MAIN OBJECTIVE OF THE COMPILATION IS TO PROVIDE  
SIMPLE AND FAST ACCESS TO INFORMATION ON THE SUBJECT  
OF FATIGUE TESTING AND YET PROVIDE SUFFICIENT  
INFORMATION IN THE FORM OF ABSTRACTS AND WORD  
DESCRIPTORS TO MAKE THE LISTING USEFUL. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-655 066 20/4 1/1  
RAND CORP SANTA MONICA CALIF  
ENERGY TRANSFER IN PARTICLE-SURFACE INTERACTIONS IN  
HYPERVELOCITY FLIGHT: COMMENTARY AND  
BIBLIOGRAPHY, (U)  
JUL 67 77P HURLBUT, F. C. ;  
REPT. NO. RM-4885-PR  
CONTRACT: F44620-67-C-0045

UNCLASSIFIED REPORT

DESCRIPTORS: (HEAT TRANSFER, FLIGHT),  
PARTICLES, SURFACES, INTERACTIONS,  
BIBLIOGRAPHIES, ENERGY, GAS FLOW, THERMAL  
CONDUCTIVITY (U)  
IDENTIFIERS: HYPERVELOCITY FLIGHT (U)

THE MEMORANDUM REVIEWS THERMAL-ENERGY TRANSFER IN  
PARTICLE-SURFACE INTERACTIONS AND PRESENTS AN  
EXTENSIVE, PARTIALLY ANNOTATED BIBLIOGRAPHY OF  
LITERATURE RELEVANT TO THIS FIELD. THE SUBJECT  
AREA IS LIMITED TO NONREACTIVE ENERGY TRANSFER  
BETWEEN NEUTRAL GAS MOLECULES AND SURFACES AT ENERGY  
LEVELS OF INTEREST TO GAS DYNAMICISTS AND HENCE IS  
EXTENDED, IN THESE TERMS, FROM THE ENERGIES  
ASSOCIATED WITH GASES AT LOW TEMPERATURES TO THOSE  
ASSOCIATED WITH THE VELOCITIES OF SATELLITES. A  
SUMMARY OF VALUES OF THE THERMAL ACCOMMODATION  
COEFFICIENTS OBTAINED OVER THE YEARS IS GIVEN, AND  
THE EXPERIMENTAL METHODS USED AND THE CURRENT  
INTERPRETATION OF THE RESULTS ARE REVIEWED. A  
DISCUSSION AND EVALUATION OF CURRENT AND PAST  
THEORETICAL WORK IN THIS AREA IS ALSO INCLUDED.  
(AUTHOR) (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-655 100 20/12 20/6 20/2 20/3  
NAVAL ORDNANCE LAB CORONA CALIF  
SEMICONDUCTING THIN FILMS: AN ANNOTATED  
BIBLIOGRAPHY, 1956-1966, (U)  
JUN 67 291P TURNBULL, W. R. I  
REPT. NO. NOLC-712  
TASK: R-360-FR-104/211-1/RO11-01-01

UNCLASSIFIED REPORT

DESCRIPTORS: (•SEMICONDUCTING FILMS,  
•BIBLIOGRAPHIES), REVIEWS, SOLID STATE  
PHYSICS, PHYSICAL PROPERTIES, PREPARATION,  
THEORY, GERMANIUM, SILICON, BORON, OPTICAL  
PROPERTIES, GALLIUM COMPOUNDS, INDIUM COMPOUNDS,  
CADMIUM COMPOUNDS, ZINC COMPOUNDS, MERCURY  
COMPOUNDS, SILICON CARBIDES, EPITAXIAL GROWTH (U)

A COMPREHENSIVE BIBLIOGRAPHIC SURVEY OF THE  
PREPARATION, PROPERTIES, APPLICATIONS, AND THEORY OF  
SEMICONDUCTING THIN FILMS IS PRESENTED. IT IS  
COMPRISED OF 976 REFERENCES PUBLISHED IN ENGLISH  
AND FOREIGN LANGUAGE PERIODICAL LITERATURE BETWEEN  
1956 AND DECEMBER 1966. THE ABSTRACTS ARE  
ARRANGED BY AUTHOR UNDER THE FOLLOWING CLASSES:  
(1) ELEMENTAL, (2) GROUP III-V,  
(3) GROUP II-V, (4) GROUP IV-VI,  
(5) GROUP IV-IV, AND (6) MISCELLANEOUS  
COMPOUNDS. ALL OF THE MATERIALS ARE INDEXED WITH  
THE EXCEPTION OF THE MISCELLANEOUS COMPOUNDS  
(GROUPS I-V, I-VI, AND I-VII).  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-655 774 20/5 17/2 17/8 13/8  
14/5

AIR FORCE CAMBRIDGE RESEARCH LABS L G HANSCOM FIELD  
MASS

A BIBLIOGRAPHY OF LASER APPLICATIONS. (U)

DESCRIPTIVE NOTE; SPECIAL REPORTS NO. 62.

APR 67 46P STICKLEY, C. MARTIN I

GINGRANDE, ARTHUR I

REPT. NO. AFCRL-67-0223

PROJ: AF-4645

TASK: 464502

UNCLASSIFIED REPORT

DESCRIPTORS: (LASERS, BIBLIOGRAPHIES),  
MEASUREMENT, LIGHT COMMUNICATION SYSTEMS, OPDAR,  
INSTRUMENTATION, CHEMISTRY, PHOTOGRAPHY,  
MATERIAL FORMING (U)

THE BIBLIOGRAPHY OF LASER APPLICATIONS CONTAINS 644  
ENTRIES FROM THE OPEN LITERATURE FOR THE PERIOD 1961  
THROUGH SEPTEMBER 1966. THE ENTRIES ARE DIVIDED  
INTO THE FOLLOWING MAJOR AREAS: MECHANICAL  
MEASUREMENTS AND STANDARDS; COMMUNICATIONS  
APPLICATIONS; RADAR AND TRACKING APPLICATIONS;  
MILITARY APPLICATIONS; OPTICAL SIGNAL PROCESSING;  
INTERFEROMETRY AND TESTING OF OPTICAL COMPONENTS;  
APPLICATIONS TO SCIENTIFIC STUDIES; APPLICATIONS IN  
CHEMISTRY; PHOTOGRAPHIC APPLICATIONS; METALWORKING;  
AND MISCELLANEOUS APPLICATIONS. THE ENTRIES ARE  
FURTHER SUBDIVIDED INTO 78 OTHER CATEGORIES.  
APPLICATIONS IN MEDICAL AND BIOLOGICAL RESEARCH ARE  
NOT INCLUDED; COMPLETE COVERAGE IN THE OTHER AREAS IS  
NOT GUARANTEED. UNDER SOME TOPICS (DETECTION  
TECHNIQUES, SPECTROSCOPY, INTERACTION WITH ACOUSTIC  
WAVES, PLASMA DIAGNOSTICS, NONLINEAR OPTICS, GAS  
BREAKDOWN, SCATTERING, HOLOGRAPHY) SO MUCH HAS BEEN  
PUBLISHED THAT ONLY REVIEW ARTICLES, ARTICLES OF  
MAJOR IMPORTANCE, AND VERY RECENT ARTICLES COULD BE  
INCLUDED. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-656 759 20/8 20/10 20/2  
KAMAN NUCLEAR COLORADO SPRINGS COLO  
X-RAY SCATTERING BIBLIOGRAPHY. (U)  
DESCRIPTIVE NOTE; REPT. FOR 1 SEP 66-31 AUG 67.  
JUN 67 76P VEIGELE, WILLIAM J. I  
REPT. NO. KN-738-67-2(R)  
CONTRACT: N00014-67-C-0154

UNCLASSIFIED REPORT

DESCRIPTORS: (X RAYS, SCATTERING),  
BIBLIOGRAPHIES, INCOHERENT SCATTERING, COHERENT  
SCATTERING, PHOTONS, INTERACTIONS, PROBABILITY,  
X-RAY DIFFRACTION ANALYSIS, X-RAY SPECTROSCOPY,  
CRYSTALLOGRAPHY (U)

THE DOCUMENT CONTAINS A BIBLIOGRAPHY OF  
EXPERIMENTAL AND THEORETICAL PAPERS ON INCOHERENT AND  
COHERENT SCATTERING OF X RAYS. ENTRIES ARE CROSS  
INDEXED FOR THEORETICAL AND EXPERIMENTAL PAPERS, AND  
ALL ENTRIES ARE VERIFIED IN SCIENCE ABSTRACTS,  
MATHEMATICAL REVIEWS, OR NUCLEAR SCIENCE  
ABSTRACTS TO FACILITATE OBTAINING LISTED PAPERS OR  
INTERLIBRARY LOAN. (AUTHOR) (U)

## PROPULSION AND FUELS

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-402 666

PENNSYLVANIA STATE UNIV UNIVERSITY PARK  
BIBLIOGRAPHY ON COMPRESSION IGNITION ENGINE LOW  
TEMPERATURE PROBLEMS. INDEX VOLUME. (U)

DESCRIPTIVE NOTE: SECOND EDITION,

62 40P MEYER, W.E.1

CONTRACT: DA36 0340RD3199RD

UNCLASSIFIED REPORT

DESCRIPTORS: •INTERNAL COMBUSTION ENGINES,  
•DIESEL ENGINES, •BIBLIOGRAPHIES, COMPRESSED  
AIR, LOW TEMPERATURE RESEARCH, IGNITION,  
INDEXES. (U)

THIS BIBLIOGRAPHY CONSISTS OF THIS INDEX VOLUME AND  
A SET OF ABSTRACT CARDS. THIS SECOND EDITION IS A  
COMPLETE AND THOROUGH REVISION OF THE FIRST EDITION.  
THE SCOPE OF THE BIBLIOGRAPHY REMAINS UNCHANGED,  
BUT ITS INTERPRETATION IS SLIGHTLY DIFFERENT IN THAT  
IT IS MORE RIGOROUS. THE BIBLIOGRAPHY DEALS WITH  
ALL ASPECTS OF LOW TEMPERATURE (OR COLD WEATHER)  
OPERATION OF COMPRESSION IGNITION ENGINES. IT  
LIES IN THE NATURE OF THE SUBJECT THAT THE LITERATURE  
ON IT DEALS HEAVILY WITH THE STARTING PROBLEM.  
(AUTHOR) (U)

266

UNCLASSIFIED

000362

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-406 958

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA  
CHEMICAL AND NUCLEAR PROPELLANT MATERIALS.

(U)

JUN 63 17P

UNCLASSIFIED REPORT

DESCRIPTORS: \*BIBLIOGRAPHIES, \*ROCKET PROPEL  
LANTS, \*NUCLEAR PROPULSION, MATERIALS.

(U)

BIBLIOGRAPHY ON CHEMICAL AND NUCLEAR PROPELLANT MATERIALS.  
INCLUDES PERIPHERAL MATERIAL DEALING WITH CHEMICAL AND  
NUCLEAR PROPELLANT TRANSLATION LITERATURE.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-410 510

AIR FORCE WEAPONS LAB KIRTLAND AFB N MEX  
BIBLIOGRAPHY OF EXTRATERRESTRIAL RESEARCH,

(U)

JUN 63 IV HENNY, ROBERT W. I

PROJ: 1080

MONITOR: AFWL

RTD TDR63 3025,

UNCLASSIFIED REPORT

DESCRIPTORS: (\*BIBLIOGRAPHIES, EXTRATERRES  
TRIAL BASES), (\*ASTROPHYSICS, BIBLIOGRAPHIES),  
(\*EXTRATERRESTRIAL BASES, BIBLIOGRAPHIES),  
(\*MOON, BIBLIOGRAPHIES), (\*PLANETS, BIBLIOG  
RAPHIES), (\*SPACE ENVIRONMENTAL CONDITIONS,  
BIBLIOGRAPHIES), (\*SPACECRAFT,  
BIBLIOGRAPHIES),

(U)

IDENTIFIERS: 1963.

(U)

THE PURPOSE OF THIS BIBLIOGRAPHY IS TO PROVIDE A  
REFERENCE SOURCE ON ALL EXTRATERRESTRIAL RESEARCH  
PERTINENT TO PLANETARY EXPLORATION, SCIENTIFIC  
INVESTIGATION, AND BASE CONSTRUCTION, AND TO INCLUDE  
ALL KNOWN REFERENCES IN THESE AND RELATED AREAS.  
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-416 634

MERCULES POWDER CO KENVIL N J

BIBLIOGRAPHY ON WING II MINUTEMAN REVERSE THRUST  
SYSTEM WEAPON SYSTEM 133A.

(U)

JUL 63 23P

REPT. NO. K35/MR 34

CONTRACT: AFD4 647 243

UNCLASSIFIED REPORT

DESCRIPTORS: (•BIBLIOGRAPHIES, ROCKET MOTORS  
(SOLID PROPELLANT)), (•ROCKET MOTORS (SOLID  
PEPELLANT), BIBLIOGRAPHIES), RETRO ROCKETS,  
THRUST REVERSE, GUIDED MISSILES (SURFACE TO  
SURFACE), RCKET MOTORS, DOCUMENTATION.

(U)

IDENTIFIERS: 1963, MINUTEMAN.

(U)

ALL DOCUMENTS PREPARED BY TH KENVIL WORKS OF  
MERCULES POWDER COMPANY FOR THE WING II  
MINUTE MAN REVERSE THRUST SYSTEM ROCKET  
MOTORS THROUGH 31 JULY 1963 ARE LISTED. THE  
BIBLIOGRAPHY REPORT PROVIDES A SYSTEM THROUGH WHICH  
DOCUMENTED INFORMATION PERTAINING TO RETRO AND  
TUMBLE ROCKET MOTORS IS READILY AVAILABLE.  
(AUTHOR)

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-421 903

VIRGINIA UNIV CHARLOTTESVILLE

BIBLIOGRAPHY OF SQUID PUBLICATIONS JUNE 1961  
SEPTEMBER 1963.

(U)

OCT 63 74P

CONTRACT: NONR362300

PROJ: NR098 038

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (JET PROPULSION, BIBLIOGRAPHIES),  
(BIBLIOGRAPHIES, JET PROPULSION), MATERIALS, PHYSICAL  
PROPERTIES, GASES, LIQUIDS, SOLIDS, MATHEMATICS,  
PHYSICS, CHEMISTRY, THERMODYNAMICS, THERMOCHEMISTRY,  
COMBUSTION, INSTRUMENTATION (U)  
IDENTIFIERS: 1963, SQUID PROJECT (U)

THE FOLLOWING LIST OF PROJECT SQUID  
PUBLICATIONS REPRESENTS THE FOURTH SUPPLEMENT TO THE  
INITIAL BIBLIOGRAPHY, "TEN YEARS OF PROJECT  
SQUID - A BIBLIOGRAPHY", WHICH APPEARED IN  
"JET PROPULSION", AUGUST 1956, AND WAS  
DESIGNATED AS PROJECT SQUID TECHNICAL REPORT  
PR-67-P. THIS SUPPLEMENT (PROJECT SQUID  
TECHNICAL REPORT UVA-3-R) COVERS THE PERIOD 1  
JUNE 1961 TO 30 SEPTEMBER 1963. THREE PREVIOUS  
SUPPLEMENTS, PROJECT SQUID TECHNICAL REPORTS  
PR-67-P-A, PR-67-P-B, AND PR-67-P-C COVERED  
THE PERIODS 1 JUNE 1956 TO 1 JUNE 1957, 1 JUNE  
1957 TO 1 JUNE 1959, AND 1 JUNE 1959 TO 1 JUNE  
1961, RESPECTIVELY. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-423 550

DEFENSE DOCUMENTATION CENTER ALEXANDRIA VA  
COMBUSTION AND EXHAUST PRODUCTS. A DDC REPORT  
BIBLIOGRAPHY.

(U)

DESCRIPTIVE NOTE: BIBLIOGRAPHY FOR APR 51-MAY 63,  
DEC 63 IV NICHOLS, OWEN D. I  
RICE, RANDALL G. I

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*BIBLIOGRAPHIES, COMBUSTION PRODUCTS),  
(\*ABSTRACTS, EXHAUST GASES), (\*EXHAUST GASES,  
BIBLIOGRAPHIES), (\*COMBUSTION PRODUCTS,  
BIBLIOGRAPHIES), (\*COMBUSTION CHAMBER GASES,  
BIBLIOGRAPHIES), (\*CONDENSATION TRAILS,  
BIBLIOGRAPHIES), COMBUSTION DEPOSITS, THERMODYNAMICS,  
EXHAUST NOZZLES, DIFFUSION, COMPATIBILITY (U)  
IDENTIFIERS: 1963 (U)

THIS IS THE SECOND OF A SERIES OF BIBLIOGRAPHIES  
COVERING TWO BROAD SUBJECTS - FLAMES AND COMBUSTION.  
PART I APPEARS UNDER TWO SEPARATE COVERS AS AD-  
422 075 AND AD-344 535, ENTITLED "FLAMES AND  
FLAME PROPERTIES". THE UNCLASSIFIED,  
UNLIMITED AD-422 075 CONTAINS ABOUT 800 REFERENCES.  
AD-344 535 IS CONFIDENTIAL AND UNCLASSIFIED  
LIMITED, AND CONTAINS ABOUT 250 REFERENCES. THE  
PRESENT BIBLIOGRAPHY COVERS CONDENSATION TRAILS,  
COMBUSTION CHAMBER GASES, COMBUSTION DEPOSITS,  
EXHAUST FLAMES, AND EXHAUST GASES. DATES OF REPORTS  
REFERENCED COVER THE TIME SPAN APRIL 1951 TO MAY  
1963. ABOUT 500 REFERENCES ARE CITED. THESE ARE  
RESTRICTED TO THE DDC UNCLASSIFIED, UNLIMITED  
COLLECTION. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-429 317

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

ELECTROSTATIC ROCKET TECHNOLOGY. COMPREHENSIVE REPORT  
ON SOVIET PERIODICAL LIT TURE. (U)

DEC 63 70P

MONITOR: AID P63 121

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*ROCKET RESEARCH, ION ENGINES),  
(\*ABSTRACTS, ROCKET RESEARCH), (\*REPORTS, ROCKET  
RESEARCH), (\*ION ENGINES, ELECTROSTATICS), MODELS  
(SIMULATIONS), SURFACE PROPULSION, CESIUM,  
IONIZATION, TUNGSTEN, POROUS METALS, IONIC CURRENT,  
ION BEAMS, SPACE CHARGES, PLASMA OSCILLATIONS,  
SECONDARY EMISSION, ION SOURCES, ION EXCHANGE,  
REVIEWS, PERIODICALS, BIBLIOGRAPHIES, ELECTRON  
BOMBARDMENT, ALKALI METALS (U)

IDENTIFIERS: 1963, USSR, AID (U)

CONTENTS: LABORATORY MODEL OF AN ION-  
PROPULSION MOTOR; ION PRODUCTION; ION  
OPTICS; ION BEAM NEUTRALIZATION; CHARGE  
EXCHANGE; AND SECONDARY EMISSION. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-435 541

MONSANTO RESEARCH CORP DAYTON OHIO

SURVEY OF RECENT RESEARCH ON FLAME

EXTINGUISHMENT.

(U)

DESCRIPTIVE NOTE: REPT. FOR SEP 62-OCT 63,

FEB 64 24P SKINNER, G. B. I

CONTRACT: AF33 657 10304

PROJ: 6075

TASK: 607505

MONITOR: ASD TR61 408, SUPPL. 2

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*COMBUSTION, BIBLIOGRAPHIES),

(\*REACTION KINETICS, COMBUSTION), FLAME PROPAGATION,  
INHIBITION, ALKENES, BENZENE, ARGON, NITROGEN, IODINE  
COMPOUNDS, SHOCK TUBES, AMMONIA, FORMALDEHYDE, BROMINE  
COMPOUNDS, FLUORINE COMPOUNDS, HYDROCARBONS, CHLORINE  
COMPOUNDS, HYDROGEN COMPOUNDS, NITRATES, ESTERS,  
CHLOROFORM, CARBON TETRACHLORIDE, BORON COMPOUNDS,  
METALORGANIC COMPOUNDS, IRON COMPOUNDS, CARBONYL  
GROUPS, LEAD COMPOUNDS, FIRE EXTINGUISHERS,  
HALOGENATED HYDROCARBONE, BROMIDES, CHLORIDES (U)

IDENTIFIERS: 1963, ISOBUTENE, ETHYLENE,

IODOMETHANE, METHANE, ETHANE, METHANE BROMOTRIFLUORO,  
METHANE TRIFLUORO, ETHANE DIBROMOTETRAFLUORO, ETHANE  
HEXAFLUORO, METHYL CHLORIDE, METHYL BROMIDE, ETHYLENE  
CHLORIDE, HYDROGEN CHLORIDE, ISOPROPYL NITRATE,  
HYDROGEN BROMIDE, BORON TRIFLUORIDE, IRON  
PENTACARBONYL, TETRAETHYLLEAD, LEAD BROMIDE, LEAD  
CHLORIDE (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-451 712

PENNSYLVANIA STATE UNIV UNIVERSITY PARK COLL OF  
ENGINEERING AND ARCHITECTURE  
BIBLIOGRAPHY ON COMPRESSION IGNITION ENGINE LOW  
TEMPERATURE PROBLEMS, (U)

SEP 64 109P MEYER, W. E. I

REPT. NO. ERB B90

CONTRACT: DA36 0340RD3199RD

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: ALSO AVAILABLE FROM PENNSYLVANIA  
STATE UNIV., UNIVERSITY PARK, ATTN: ENGINEERING  
PUBLICATIONS, PRICE \$3.00.

DESCRIPTORS: (DIESEL ENGINES, BIBLIOGRAPHIES),  
(BIBLIOGRAPHIES, DIESEL ENGINES), COLD WEATHER TESTS,  
STARTING, OPERATIONS, ARMY RESEARCH, POLAR REGIONS (U)  
IDENTIFIERS: 1964 (U)

THOUGH THE TITLE INDICATES THE GENERAL SCOPE OF THE  
BIBLIOGRAPHY, IT DOES NOT SHARPLY DEFINE WHAT HAS  
BEEN INCLUDED AND WHAT HAS NOT. THE SUBJECT AREA  
IS ONE IN WHICH EMPIRICISM AND PAST EXPERIENCE STILL  
PLAY AN IMPORTANT ROLE. REPORTS OF FIELD OPERATIONS  
AND TRIAL-AND-ERROR EXPERIMENTS ARE THEREFORE WORTH  
NOTHING IF THE DOCUMENTATION OF SIGNIFICANT DETAILS  
IS SUFFICIENT TO BE OF POSSIBLE VALUE TO ANYONE  
FACING THE SAME OR A SIMILAR PROBLEM OR SITUATION.  
AT THE OTHER END OF THE SPECTRUM ARE SOME TITLES  
THAT MAY APPEAR TO HAVE LITTLE RELATION TO THE  
GENERAL SUBJECT. MOST OF THESE REFER TO RESEARCH  
TECHNIQUES OR STUDIES OF FUNDAMENTAL PHENOMENA WHICH,  
IN THE COMPILER'S OPINION, SUGGEST NEW APPROACHES TO  
CERTAIN PROBLEMS OF LOW TEMPERATURE STARTING OR  
OPERATION OF COMPRESSION IGNITION ENGINES. THEY  
ARE INCLUDED IN THE HOPE THAT THEY MAY STIMULATE AN  
INCREASED APPRECIATION OF THE UTILITY OF MORE  
SCIENTIFIC, OR AT LEAST MORE SOPHISTICATED, METHODS  
OF INVESTIGATION. EACH CITATION HAS A LOCATING  
KEY, MADE UP OF ITS SOURCE AND DATE. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-609 240

VIRGINIA UNIV CHARLOTTESVILLE

BIBLIOGRAPHY OF SQUID PUBLICATIONS, OCTOBER 1963-

SEPTEMBER 1964.

(U)

DESCRIPTIVE NOTE; TECHNICAL REPT.

NOV 64 42P

REPT. NO. UVA-6-R

CONTRACT: NONR362300

PROJ: NR098 038

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON PROJ. SQUID.

DESCRIPTORS: (BIBLIOGRAPHIES, JET ENGINES), (JET  
PROPULSION, BIBLIOGRAPHIES), GASES, TRANSPORT  
PROPERTIES, STRUCTURAL PROPERTIES, FLUID FLOW,  
REACTION KINETICS, COMBUSTION, INSTRUMENTATION,  
MATERIALS

(U)

IDENTIFIERS: SQUID PROJECT

(U)

THE FOLLOWING LIST OF PROJECT SQUID  
PUBLICATIONS REPRESENTS A CONTINUATION OF PROJECT  
SQUID TECHNICAL REPORT UVA-3-R, OCTOBER 1963  
(AD-421 903). (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000367

AD-610 260

THIOLKOL CHEMICAL CORP ELKTON MD  
EXPERIMENTS FOR THE MEASUREMENT OF THE ACOUSTIC  
IMPEDANCE OF A BURNING SOLID PROPELLANT. (U)

DESCRIPTIVE NOTE; QUARTERLY TECHNICAL REPT. NO. 3, 15  
NOV 61-15 FEB 62;

MAR 62 36P STERN, EDWARD S. I

WOODYARD, JAMES R. I CONVERSE, ALVIN O. I

REPT. NO. E47-62

CONTRACT: NONR347300

PROJ: ARPA ORDER 23 61

TASK: 5

MONITOR: N62 , 10406

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (SOLID ROCKET PROPELLANTS, ACOUSTICAL  
IMPEDANCE), (COMBUSTION, SOLID ROCKET PROPELLANTS),  
STABILITY, COMBUSTION CHAMBERS, TEST EQUIPMENT,  
TRANSDUCERS, MICROPHONES, BIBLIOGRAPHIES (U)

THE REPORT DESCRIBES THE PROGRESS MADE DURING A  
RESEARCH PROGRAM TO MEASURE THE ACOUSTIC IMPEDANCE OF  
A BURNING SOLID PROPELLANT. THE ACOUSTIC IMPEDANCE  
OF ACOUSTICAL MATERIALS CAN BE DETERMINED WITH THE  
PRESENT INSTRUMENTATION. DATA OBTAINED USING THE  
ELKTON TEST CHAMBER ARE COMPARED WITH TYPICAL DATA  
OBTAINED FROM THE LITERATURE. VARIATIONS DUE TO  
MOUNTING AND THICKNESS OF TEST SPECIMENS ARE  
DISCUSSED. DETAILS OF THE MICROPHONE AND SOUND  
DRIVER PERFORMANCE ARE PRESENTED. LINEARITY TESTS  
OF THE EQUIPMENT HAVE INDICATED POSSIBLE OPERATIONAL  
PROBLEMS WHICH MUST BE CHECKED FURTHER. A  
SUPPLEMENTARY BIBLIOGRAPHY OF APPLICABLE REFERENCES  
IS INCLUDED AS AN APPENDIX TO THE REPORT.  
(AUTHOR) (U)

UNCLASSIFIED

000367

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000342

AD-614 133

MELPAR INC FALLS CHURCH VA

COMPREHENSIVE BIBLIOGRAPHY FOR MECHANISM OF  
MICROBIOLOGICAL CONTAMINATION OF JET FUEL AND  
DEVELOPMENT OF TECHNIQUES FOR DETECTION OF  
MICROBIOLOGICAL CONTAMINATION, APPENDIX C. (U)

DESCRIPTIVE NOTE: QUARTERLY PROGRESS REPT. NO. 2, APP. 1

JUN-1 SEP 63,

SEP 63 93P

BLANCHARD, GORDON C. I

CONTRACT: AF33 657 9186

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (FUEL CONTAMINATION, BIBLIOGRAPHIES),  
(JET ENGINE FUELS, BIOLOGICAL CONTAMINATION),  
MICROORGANISMS, BACTERIA, PSEUDOMONAS, CORROSION,  
CORROSION INHIBITION, POLYMERS, LUBRICANTS,  
DEGRADATION, PURIFICATION, HYDROCARBONS, FUEL  
ADDITIVES, OXIDATION, ELASTOMERS, AROMATIC COMPOUNDS,  
PETROLEUM, FUEL TANKS (U)

COMPREHENSIVE BIBLIOGRAPHY FOR MECHANISM OF  
MICROBIOLOGICAL CONTAMINATION OF JET FUEL AND DEVELOPMENT OF  
TECHNIQUES FOR DETECTION OF MICROBIOLOGICAL CONTAMINATION.  
APPENDIX C.



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DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-621 383

AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D  
C

THERMAL STABILITY OF JET FUELS (BIBLIOGRAPHY). (U)

DESCRIPTIVE NOTE: REPT. NO. 1 ON AID WORK ASSIGNMENT  
NO. 28.

SEP 61 9P

REPT. NO. AID-61-165A

MONITOR: TT , 65-64076

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•JET ENGINE FUELS, USSR),  
BIBLIOGRAPHIES, AVIATION FUELS, PETROLEUM  
INDUSTRY (U)

THIS REPORT CONTAINS THE SELECTIVE BIBLIOGRAPHY AND  
CRITICAL EVALUATION OF MATERIALS EXAMINED DURING A  
PRELIMINARY SCANNING OF THE OPEN SOVIET LITERATURE  
FOR INFORMATION SATISFYING THE TASK REQUIREMENT.  
THE PERIOD OF INVESTIGATION REPRESENTED IS THE  
THIRD QUARTER OF 1961. THE SIX ITEMS DISCUSSED  
ARE CONSIDERED TO BE RELEVANT TO THE EVALUATION OF  
SOVIET EFFORTS TO IMPROVE THE THERMAL STABILITY OF  
JET FUELS. THE USE OF SEQUENCE NUMBERS FOR THE  
INDIVIDUAL ITEMS WILL BE CONTINUED IN FUTURE REPORTS  
FOR THE SAKE OF SIMPLIFYING THE SYSTEM OF REFERENCE.  
(AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-622 245

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

AKADEMIYA NAUK SSSR. INSTITUT DVIGATELEY. A  
PRELIMINARY UNEDITED REPORT.

(U)

DEC 64 BIP

REPT. NO. ATD-U-64-155

MONITOR: TT , 65-64133

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: COMPILATION OF SOVIET MATERIAL PUB.  
1954-64.

DESCRIPTORS: (ENGINES + MOTORS, SCIENTIFIC  
RESEARCH), (INTERNAL COMBUSTION ENGINES,  
SCIENTIFIC RESEARCH), USSR, BIBLIOGRAPHIES,  
HISTORY, PERSONNEL, SCIENTIFIC ORGANIZATIONS

(U)

THE REPORT IS A PRELIMINARY, PARTIALLY EDITED.  
COMPILATION OF SOVIET MATERIAL ON INSTITUT  
DVIGATELEY (ENGINE INSTITUTE) PUBLISHED  
DURING 1954-1964. THE MATERIAL IS DIVIDED INTO  
THREE SECTIONS, COVERING THE HISTORY AND ORGANIZATION  
OF THE INSTITUTE, ITS PERSONNEL, AND THEIR  
PUBLICATIONS. THE SECTION ON PERSONNEL IS  
SUBDIVIDED INTO PART A, WHICH DEALS WITH THOSE  
PEOPLE WHO ARE KNOWN MEMBERS OF THE INSTITUTE, AND  
PART B, WHICH LISTS THOSE WHO HAVE SOME CONNECTION  
WITH THE INSTITUTE BUT HAVE NOT BEEN IDENTIFIED  
POSITIVELY AS MEMBERS. LIBRARY OF CONGRESS CALL  
NUMBERS APPEAR AT THE RIGHT, AT THE END OF THE MAIN  
ENTRY, WHENEVER THE SOURCE IS CATALOGED IN THE  
LIBRARY OF CONGRESS COLLECTIONS. NO LOCATION  
SYMBOLS ARE USED FOR SOURCES THAT EITHER ARE NOT  
CATALOGED AT THIS TIME, OR UNCATALOGED MATERIALS NOW  
AVAILABLE IN THE VARIOUS DIVISIONS OF THE LIBRARY  
OF CONGRESS, OR SOURCES IDENTIFIED IN REFERENCES  
BUT WHICH CANNOT BE LOCATED. ABSTRACTS OF ARTICLES  
ARE GIVEN WHEN AVAILABLE. AN ABSTRACT AND A  
TRANSLATED TABLE OF CONTENTS OF B.S. STECHKIN'S  
TEXTBOOK REAKTIVNYE DVIGATELY ARE INCLUDED AS AN  
APPENDIX TO THE BIBLIOGRAPHY.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-623 248

AEROSPACE INFORMATION DIV LIBRARY OF CONGRESS WASHINGTON D  
C

CURRENT INFORMATION ON FUELS AND LUBRICANTS:

COMPILATION OF ABSTRACTS.

(U)

DESCRIPTIVE NOTE: REPT. NO. 30 ON AID WORK ASSIGNMENT  
NO. 28.

MAY 64 13P

REPT. NO. AID-U-64-37

MONITOR: TT ,

65-64459

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: CONTAINS POTENTIALLY USEFUL MATERIAL  
ON FUELS AND LUBRICANTS IN THE FORM OF INFORMATIVE  
ABSTRACTS. REPT. ON SURVEYS OF SOVIET-BLOC  
SCIENTIFIC AND TECHNICAL LITERATURE.

DESCRIPTORS: (\*FUELS, REVIEWS), (\*LUBRICANTS,  
REVIEWS), USSR, LIQUID METALS, JET ENGINE FUELS,  
OILS, ADDITIVES, GREASES, BIBLIOGRAPHIES

(U)

CURRENT INFORMATION ON FUELS AND LUBRICANTS:  
COMPILATION OF ABSTRACTS.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-628 166 21/9  
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D  
C  
LIQUID AND SOLID PROPELLANTS TECHNOLOGY: COMPILATION  
OF ABSTRACTS. (U)  
DESCRIPTIVE NOTE; REPT. NO. 2 ON ATD WORK ASSIGNMENT NO.  
77,  
JAN 66 143P WOLSKI, EDWARD I  
REPT. NO. ATD-66-2,  
MONITOR: TT , 66-60553

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: BASED ON SOVIET-BLOC OPEN LITERATURE  
AND COVERS THE PERIOD JUL-DEC 64. REPT. ON SURVEYS  
OF COMMUNIST WORLD SCIENTIFIC AND TECHNICAL  
LITERATURE.

DESCRIPTORS: (BIBLIOGRAPHIES, ROCKET  
PROPELLANTS), (ROCKET PROPELLANTS,  
BIBLIOGRAPHIES), LIQUID ROCKET PROPELLANTS,  
SOLID ROCKET PROPELLANTS, ABSTRACTS, USSR (U)

THIS COMPILATION OF ABSTRACTS IS BASED ON SOVIET-  
SATELLITE OPEN SOURCES PUBLISHED IN 1964. IT IS  
THE SECOND IN A SERIES DEALING WITH SOVIET-BLOC  
DEVELOPMENTS IN ROCKETPROPELLANT TECHNOLOGY AND  
CONSISTS OF ABSTRACTS, SUMMARIES, REVIEWS, AND  
CURRENT DATA FROM THE ATD PRESS AND SCAN,  
SUPPLEMENTED BY THE COMPILER'S ANNOTATIONS OF  
PERTINENT ENTRIES NOT COVERED BY THE FOREMENTIONED  
ATD PUBLICATIONS. THE SYSTEMATIC ARRANGEMENT OF  
ALL AVAILABLE MATERIALS GIVES THE READER THE  
POTENTIAL ADVANTAGE OF TREND DETERMINATION. THE  
GENERAL SUBJECT OF LIQUID AND SOLID PROPELLANTS  
INCLUDES THE CHEMISTRY AND TECHNOLOGY OF  
MANUFACTURING, PHYSICAL AND CHEMICAL PROPERTIES, USE,  
COMBUSTION BEHAVIOR, CORROSIVENESS, STABILITY,  
TOXICITY, STORAGE, AND SAFETY OF PROPELLANTS AND  
THEIR COMPONENTS. OF 212 ENTRIES, 15 WERE BASED ON  
BOOKS AND APPEAR AS CHAPTER I TOGETHER WITH AN  
AUTHOR INDEX. CHAPTER II CONTAINS 55  
ABSTRACTS ON LIQUID PROPELLANTS. IN CHAPTER III  
38 ENTRIES CONCERN SOLID PROPELLANTS. CHAPTER IV  
HAS 16 ENTRIES ON HIGH ENERGY FUELS AND PROPELLANTS  
WHILE CHAPTER V CONTAINS 7 ENTRIES ON ADVANCED  
ENERGY SOURCES. CHAPTER VI WITH 81 ENTRIES  
COVERS COMBUSTION PROBLEMS IN GENERAL INCLUDING AIR-  
BREATHING SYSTEMS. CHAPTERS II-VI EACH INCLUDE  
AN AUTHOR INDEX AND AN INDEX OF ASSOCIATIONS.  
(AUTHOR: (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-631 638 21/2 14/2  
ESSO DEVELOPMENT CO LTD ABINGDON (ENGLAND)  
MEASUREMENT OF BURNING VELOCITY -A SURVEY-, (U)  
APR 63 50P FRISTROM, R. H. I  
REPT. NO. TG-481,  
CONTRACT: NOW-62-0604-C,

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (BURNING RATE, MEASUREMENT),  
FLAMES, FLOW VISUALIZATION, TRACER STUDIES,  
PARTICLES, PITOT TUBES, FLAME PROPAGATION,  
PHOTOGRAPHIC ANALYSIS, REVIEWS, (U)  
BIBLIOGRAPHIES (U)  
IDENTIFIERS: BURNERS, FLAME KERNEL METHODS (U)

EXPERIMENTAL METHODS OF DETERMINING BURNING  
VELOCITY ARE REVIEWED. TOPICS INCLUDE: PARTICLE  
TRACT METHOD, PITOT TUBE MEASUREMENTS, FLAME KERNEL  
METHODS, AND BURNER METHODS OF MEASURING BURNER  
VELOCITY. AN ANNOTATED BIBLIOGRAPHY OF (U)  
REPRESENTATIVE WORKS IS APPENDED.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-652 406 21/3  
FAIRCHILD MILLER CORP FARMINGDALE N Y REPUBLIC AVIATION  
DIV  
PULSED PLASMA STUDIES. (U)  
DESCRIPTIVE NOTE: FINAL REPT., MAY 59-JUN 66.  
FEB 67 16P MCIVER, JOHN J. I  
REPT. NO. FHR-3449, PCD-TR-67-4  
CONTRACT: NONR-2851(00)  
PROJ: RR-010-04-01

UNCLASSIFIED REPORT

DESCRIPTORS: (\*PLASMA ENGINES, \*THRUST VECTOR  
CONTROL SYSTEMS), SATELLITES(ARTIFICIAL),  
ELECTRIC PROPULSION, PLASMA JETS, ELECTRIC  
DISCHARGES, BIBLIOGRAPHIES (U)  
IDENTIFIERS: E-2 PLASMA ENGINE (U)

THIS REPORT COVERS THE CHRONOLOGICAL SERIES OF  
EVENTS LEADING UP TO THE INTEGRATION OF A PULSED  
PLASMA ELECTRIC THRUSTER SYSTEM INTO A NAVAL  
RESEARCH LABORATORY SATELLITE, PAYLOAD 140.  
THE PERIOD COVERED IS FROM APRIL 1964 TO JUNE  
1966, AND THE REPORT DESCRIBES THE PROGRESS AND  
PROBLEMS ASSOCIATED WITH THE SYSTEM INTEGRATION AND  
IN ADDITION DESCRIBES THE CASE HISTORY OF THE  
ATTEMPTS TO OBTAIN AIR FORCE SUPPORT IN OBTAINING  
A LAUNCH VEHICLE FOR THE PAYLOAD. THE LAST PORTION  
OF THE REPORT COVERS THE BIBLIOGRAPHY OF ALL  
PUBLICATIONS GENERATED DIRECTLY OR PARTIALLY UNDER  
THIS CONTRACT SINCE 1959. (AUTHOR) (U)

SPACE TECHNOLOGY

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-403 825

NORTH AMERICAN AVIATION INC DOWNEY CALIF  
ATTITUDE CONTROL: A BIBLIOGRAPHY.

(U)

APR 63 46P

REPT. NO. SID63 232

UNCLASSIFIED REPORT

DESCRIPTORS: •ATTITUDE CONTROL SYSTEMS,  
•BIBLIOGRAPHIES, SATELLITES (ARTIFICIAL),  
SPACECRAFT, TORQUE, CONTROL JETS, VERNIER  
ROCKET MOTORS, SPIN-STABILIZED AMMUNITION,  
MAGNETIC FIELDS, GRAVITY, SOLAR RADIATION,  
AERODYNAMIC CONFIGURATIONS, TERRESTRIAL  
MAGNETISM.

(U)

THIS REPORT IS A SURVEY OF ACADEMIC LITERATURE ON  
THE ATTITUDE CONTROL OF SATELLITES AND SPACE  
VEHICLES. ONLY MATERIAL PUBLISHED IN ENGLISH  
BETWEEN THE YEARS 1958 AND 1962 IS INCLUDED.  
(AUTHOR)

(U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-404 259

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
METEORIDS AS A POSSIBLE HAZARD TO SPACE VEHICLE  
OPERATIONS: AN ANNOTATED BIBLIOGRAPHY,

(U)

MAY 63 41P ROS, COMP. BY CHARLES G. I

REPT. NO. 3 35 63 11

CONTRACT: AF04 647 787

UNCLASSIFIED REPORT

DESCRIPTORS: \*SPACE FLIGHT, BIBLIOGRAPHIES,  
SPACE ENVIRONMENTAL CONDITIONS, AVIATION SAFETY,  
ASTRONAUTICS, HAZARDS, METEORITES.

(U)

A BIBLIOGRAPHY IS PRESENTED OF METEORIDS AS A  
POSSIBLE HAZARD TO SPACE VEHICLE OPERATIONS.  
CITATIONS TO METEORS AND OTHER INTERPLANETARY  
DEBRIS HAVE BEEN INCLUDED WHEN THE MATERIAL WAS OF  
RELEVANCE TO METEORIDS AS WELL. CITATIONS TO  
COMBINED ENVIRONMENTAL PARAMETERS AFFECTING THE  
RELIABILITY OF SPACE VEHICLES IN FLIGHT HAVE ALSO  
BEEN INCLUDED WHEN METEORIDS CONSTITUTED ONE OF THE  
PARAMETERS. THE PERIOD COVERED IS FROM 1956  
THROUGH 1962, WITH A FEW EARLIER CITATIONS.

(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-416 078

MITRE CORP BEDFORD MASS  
SPACECRAFT STABILIZATION AND ATTITUDE CONTROL. HOW  
DO TODAY'S OPERATIONAL AND CONCEPTUAL SYSTEMS COMPARE  
IN WEIGHT, POWER AND RELIABILITY, (U)  
BP CHIN, T. H. I

MONITOR: ESD

UNCLASSIFIED REPORT  
REPRINT FROM SPACE AERONAUTICS, PP. 88-93, 144-145,  
1963. (COPIES NOT SUPPLIED BY DDC)  
SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*SPACECRAFT, FLIGHT CONTROL SYSTEMS),  
(\*BIBLIOGRAPHY, ATTITUDE CONTROL SYSTEMS), (\*ATTITUDE  
CONTROL SYSTEMS, SPACECRAFT), (\*STABILIZATION  
SYSTEMS, SPACECRAFT), WEIGHT, PERFORMANCE  
(ENGINEERING), RELIABILITY, GRAVITY (ARTIFICIAL) (U)

A REVIEW IS PRESENTED OF CURRENT OPERATIONAL AND  
CONCEPTUAL SYSTEMS FOR SPACECRAFT STABILIZATION AND  
ATTITUDE CONTROL. (U)

UNCLASSIFIED

000362

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-430 814

LIBRARY OF CONGRESS WASHINGTON D C SCIENCE AND TECHNOLOGY  
DIV

BIBLIOGRAPHY OF BIOREGENERATING SYSTEMS FOR  
EXTRATERRESTRIAL HABITATION.

(U)

DESCRIPTIVE NOTE: REPT. 15 AUG 62-15 SEP 63,  
NOV 63 10CP SPIEGLER, PAUL E. I

CONTRACT: AF33 657 62 397

PROJ: 7164

TASK: 716405

MONITOR: AMRL

TDR 3 121

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*LIFE SUPPORT, BIBLIOGRAPHIES),  
(\*EXTRATERRESTRIAL BASES, LIFE SUPPORT), (\*BIOLOGY,  
REGENERATION), ECOLOGY, PHYSIOLOGY, SANITARY  
ENGINEERING, FOOD, ALGAE, PLANTS (BIOLOGY), TISSUE  
(BIOLOGY), LABORATORY ANIMALS, MOON, SPACE FLIGHT,  
NUTRITION, TISSUE CULTURE, TEST METHODS, TOXICITY,  
PHOTOSYNTHESIS, BACTERIA, FUNGI, SPACE PROBES

(U)

IDENTIFIERS: GAS EXCHANGE MECHANISMS, 1963,  
BIOREGENERATING SYSTEMS, HABITATION, AEROSPACE  
SYSTEMS, BIOLOGICAL SYSTEMS

(U)

THIS BIBLIOGRAPHY IS A REPRESENTATIVE SAMPLING WITH  
THE WORLD'S LITERATURE COVERING THE YEARS 1959 TO THE  
PRESENT CONCERNING THE VARIOUS ASPECTS OF  
EXTRATERRESTRIAL HABITATION. THE 440 REFERENCES  
DEAL WITH BOTH THE PHYSIOLOGY AND ECOLOGY OF  
BIOREGENERATING SYSTEMS FOR SPACE TRAVEL AND THE  
SPECIFIC HUMAN REQUIREMENTS FOR EXTRATERRESTRIAL  
HABITATION. THE SECTION ON THE BIOLOGY OF  
BIOREGENERATING SYSTEMS CONTAINS PAPERS ON WASTE  
MANAGEMENT AND RE-UTILIZATION, GAS EXCHANGE  
MECHANISMS USING DIFFERENT PLANTS, CULTURE TECHNIQUES  
FOR PRODUCING FOOD BY UTILIZING TISSUES OR PLANTS,  
EDIBILITY OF ALGAE AND VARIOUS ANIMALS, TOXICOLOGICAL  
ASPECTS OF WASTE AND MATERIALS OF CONSTRUCTION, AND  
ENVIRONMENTAL CONDITIONS ON THE MOON. PAPERS  
DEALING WITH SPECIFIC HUMAN REQUIREMENTS INCLUDE  
THOSE ON NUTRITION, FOOD TECHNOLOGY, AND VARIOUS  
TOPICS OF PERSONAL HYGIENE AND SANITATION.  
(AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-431 728

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

FUTURE LUNAR MISSIONS. REVIEW OF SOVIET AND SOVIET-  
BLOC LITERATURE. (U)

JAN 64 246P

MONITOR: AID P64 1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (LUNAR BASES, BIBLIOGRAPHIES), (LUNAR  
CRAFT, BIBLIOGRAPHIES), (LUNAR TRAJECTORIES,  
BIBLIOGRAPHIES), DOCUMENTATION, REPORTS, LAUNCHING,  
RENDEZVOUS TRAJECTORIES, SPACECRAFT DOCKING, ORBITAL  
TRAJECTORIES, SCIENTIFIC SATELLITES, SPACE STATIONS,  
LUNAR PROBES, ASTRONOMICAL OBSERVATORIES, ASTRONAUTS,  
ASTRONAUTICS, PUBLIC OPINION, MANNED SPACECRAFT, SPACE  
CAPSULES (U)  
IDENTIFIERS: 1964, USSR (U)

THIS REPORT COLLECTS MATERIALS ILLUSTRATING  
INFORMED SOVIET DISCUSSION OF MANNED LUNAR FLIGHT  
IN THE PERIOD IMMEDIATELY PRECEDING KHRUSHCHEV'S 26  
OCT 1963 DISAVOWAL OF A CRASH MAN-ON-THE-MOON  
PROGRAM. ITS PURPOSE IS TO ESTABLISH THE POSSIBLE  
PATTERNS OF THOUGHT OF SOVIET SCIENTISTS AND  
AUTHORITATIVE NEWS COMMENTATORS BY THE USE OF  
SELECTED STATEMENTS. SINCE NO COLLECTION IN THIS  
FIELD CAN BE THOROUGHLY EXHAUSTIVE, THE CRITERION FOR  
SELECTION OF THE INDIVIDUALS TO BE CITED AND THE  
CITATIONS WAS THEIR REPRESENTATIVE NATURE. WITH  
CERTAIN EXCEPTIONS FORCED BY TIME LIMITATIONS, BIB-  
BIBLIOGRAPHIC ANNOTATIONS ARE PROVIDED. IN ORDER  
TO COMMUNICATE MOST FULLY THE IMPACT OF THE ORIGINAL,  
THE STATEMENTS ARE TRANSLATED RATHER THAN  
PARAPHRASED. IN MOST CASES THE MATERIALS QUOTED  
ARE FROM THE 1961 TO 1963 PERIOD, ALTHOUGH EARLIER  
STATEMENTS ARE OCCASIONALLY REPRODUCED WHEN NECESSARY  
TO ESTABLISH THE PATTERN. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-433 656

ARMY MISSILE COMMAND REDSTONE ARSENAL ALA  
MATERIALS FOR RE-ENTRY. A SELECTED BIBLIOGRAPHY,  
1959-1963,

(U)

MAR 64

75P

NIEBERLEIN, VERNON A. I

PROJ: 1A023301A110

MONITOR: AMC RA

RR TR64 I

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•REENTRY VEHICLES, REFRACTORY  
MATERIALS), (•REFRACTORY METALS + ALLOYS,  
•REFRACTORY MATERIALS), HEAT-RESISTANT PLASTICS,  
CERAMIC MATERIALS, CERMETS, PYROLYTIC GRAPHITE,  
HEAT-RESISTANT METALS + ALLOYS, HEAT SHIELDS,  
COOLING, HEAT TRANSFER, ABLATION

(U)

IDENTIFIERS: 1964

(U)

A SELECTED BIBLIOGRAPHY COVERING THE YEARS 1959  
THROUGH 1963 HAS BEEN ABSTRACTED. MATERIALS FOR  
RE-ENTRY, AND CLOSELY RELATED WORK ON RE ENTRY  
ENVIRONMENT, MATERIALS REQUIREMENTS, AND COOLING  
MECHANISMS ARE INCLUDED. THE BIBLIOGRAPHY IS  
INDEXED BY SUBJECT AND AUTHOR. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-438 720

AEROSPACE CORP EL SEGUNDO CALIF

BIBLIOGRAPHY OF REPORTS.

(U)

DESCRIPTIVE NOTE; FINAL REPT., 1 JUL 62-30 JUN 63,

APR 64 72P PEER, B. H. IKEASBEY, S. T. ;

REPT. NO. CSR169 9990FBR1

CONTRACT: AFD4 695 169

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SUPERSEDES REPORT NOS. CSR169 9990

QBR2, AD-297 864, AND CSR169 9990 QBR3, AD-402

241.

DESCRIPTORS: (\*BIBLIOGRAPHIES, REPORTS),  
(\*REPORTS, INDEXES), (\*MANNED SPACECRAFT,  
SPACE CAPSULES, LAUNCH VEHICLES(AEROSPACE),  
SATELLITES(ARTIFICIAL), GROUND SUPPORT  
EQUIPMENT, COMMUNICATION SATELLITES, GUIDED  
MISSILES(SURFACE-TO-SURFACE), REENTRY VEHICLES,  
SPACECRAFT

(U)

IDENTIFIERS: ATLAS, GEMINI, MERCURY

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-466 884

LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV

AEROSPACE INSTRUMENTATION.

(U)

DESCRIPTIVE NOTE: COMPILATION OF ABSTRACTS ON SURVEYS OF  
SOVIET-BLOC SCIENTIFIC AND TECHNICAL LITERATURE.

JUL 65 64P

REPT. NO. ATD-P-65-49

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*SCIENTIFIC SATELLITES,  
BIBLIOGRAPHIES), (\*BIBLIOGRAPHIES, SCIENTIFIC  
SATELLITES), INSTRUMENTATION, MAGNETOMETERS,  
GRAVITY, GAS ANALYSIS, METEORITES, DETECTION,  
COSMIC RAYS, ELECTROMAGNETIC WAVES, PRESSURE  
GAGES, RADIATION MEASUREMENT SYSTEMS, SPACE  
ENVIRONMENTAL CONDITIONS, MEASUREMENT, USSR,  
AIRBORNE, SPACEBORNE

(U)

IDENTIFIERS: GRAVITY METERS, MICROMETEORITES

(U)

THIS REPORT IS THE FIRST IN A SERIES REVIEWING  
SOVIET DEVELOPMENTS IN AEROSPACE INSTRUMENTATION.  
ABSTRACTS CONTAINED IN THE REPORT WERE SELECTED  
FROM SOVIET OPEN LITERATURE PUBLISHED IN 1964 AND  
AVAILABLE AT THE AEROSPACE INFORMATION DIVISION  
AND THE LIBRARY OF CONGRESS. INFORMATION NOT  
DIRECTLY RELATED TO THE ASSIGNED SUBJECT HAS BEEN  
INCLUDED BECAUSE OF ITS BROAD IMPLICATIONS FOR STUDY  
IN THIS FIELD. THE 78 ABSTRACTS ARE ARRANGED  
ALPHABETICALLY BY AUTHOR WITHIN EACH OF THE FOLLOWING  
CATEGORIES: MAGNETOMETERS, GRAVITY GRADIENT METERS,  
GAS COMPOSITION ANALYSIS, MICROMETEORITE DETECTION,  
COSMIC AND CORPUSCULAR RADIATION DETECTION,  
ELECTROMAGNETIC RADIATION DETECTION, AND PRESSURE  
SENSORS. A BIBLIOGRAPHY IS PRESENTED AT THE END OF  
THE REPORT. (AUTHOR)

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-468 532

REDSTONE SCIENTIFIC INFORMATION CENTER REDSTONE ARSENAL  
ALA

SATELLITE ORBIT DETERMINATION. (U)

DESCRIPTIVE NOTE: BIBLIOGRAPHY FOR 1956-MAY 65,

JUN 65 118P DENHAM, DALE I

REPT. NO. RSIC-415

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•ORBITAL TRAJECTORIES,  
BIBLIOGRAPHIES), (•BIBLIOGRAPHIES, ORBITAL  
TRAJECTORIES), (•RADAR TRACKING,  
SATELLITES(ARTIFICIAL)), RADAR STATIONS,  
SIMULATION, MATHEMATICAL PREDICTION,  
PROGRAMMING(COMPUTERS), CELESTIAL MECHANICS,  
TRACKING, DETERMINATION (U)  
IDENTIFIERS: SATELLITE TRACKING SYSTEMS (U)

THIS BIBLIOGRAPHY COVERS THE FOLLOWING: (1)  
METHODS OF USE AND COMBINE TRACKING DATA FROM RADAR  
AND OTHER TRACKING SYSTEMS FOR ORBIT DETERMINATION,  
AND (2) THE INFLUENCE OF TRACKING STATION  
LOCATION, NUMBER OF STATIONS, AND TIME OF TRACKING ON  
THE ACCURACY OF ORBIT DETERMINATION. IN ADDITION TO  
THE ABOVE, THE CITED REFERENCES COVER ANALYSIS AND  
SIMULATION OF ORBITS; MATHEMATICS AND PARAMETERS OF  
ORBITS; THEORY AND TECHNIQUES; PREDICTION AND  
ACCURACIES; PROGRAMMING AND COMPUTERS; ERROR  
ANALYSIS; EVALUATION OF GROUND COVERAGE; SYSTEMATIC  
ERRORS; AIRBORNE PLATFORMS; SPACE DYNAMICS; SELF-  
CONTAINED ORBIT DETERMINATION TECHNIQUES; AND SPACE-  
TIME. (AUTHOR) (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-606 382

RAND CORP SANTA MONICA CALIF

SPACE LAW BIBLIOGRAPHY,

(U)

MAY 57 9P

HOGAN, JOHN C. I

REPT. NO. P-1087

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (•SPACE FLIGHT, LAW), (•LAW, UPPER

ATMOSPHERE), (•UPPER ATMOSPHERE, LAW),

(•BIBLIOGRAPHIES, LAW), SOCIAL SCIENCES, INDEXES

(U)

IDENTIFIERS: SPACE LAW, AIRSPACE

(U)

ONLY SINCE THE END OF WORLD WAR II HAS THERE BEEN A SERIOUS INTEREST IN THE PROBLEMS OF LAW AND ACTIVITIES IN THE UPPER ATMOSPHERE. SCHOLARLY ARTICLES ON THIS SUBJECT HAVE BEEN PUBLISHED RECENTLY BY LAWYERS IN CANADA, ENGLAND, FRANCE, GERMANY, AND THE USSR, AND THERE ARE MATERIALS IN THE AMERICAN LAW REVIEWS WHICH APPLY--EITHER DIRECTLY OR BY ANALOGY--TO MAN'S ACTIVITIES ABOVE THE SURFACE OF THE EARTH. THE IMMEDIATE PROBLEM IS STATE SOVEREIGNTY IN THE UPPER ATMOSPHERE. SOME ATTENTION HAS ALSO BEEN GIVEN TO THE LONGRANGE PROBLEM OF A SYSTEM OF JURISPRUDENCE FOR ACTIVITIES IN SPACE.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-607 628

TRW SPACE TECHNOLOGY LABS LOS ANGELES CALIF

SOFT LUNAR LANDING.

(U)

DESCRIPTIVE NOTE: STL BIBLIOGRAPHY,

MAY 59 21P

ANDREWS, K. B. ISLOANE, M. N. I

REPT. NO. STL-B-8 , STL/GM-59-5111-12

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON A LITERATURE SURVEY OF  
UNCLASSIFIED REPORTS.

DESCRIPTORS: (\*SOFT LANDINGS, BIBLIOGRAPHIES),  
(\*ASTRONAUTICS, BIBLIOGRAPHIES, (\*SPACE FLIGHT,  
BIBLIOGRAPHIES), SPACE ENVIRONMENTAL CONDITIONS, SPACE  
NAVIGATION, EXTRATERRESTRIAL BASES, INTERPLANETARY  
TRAJECTORIES, SPACECRAFT, PHOTOGRAPHY, SPACE PROBES,  
DOPPLER SYSTEMS, MANNED SPACECRAFT, SPACE PROPULSION,  
FLIGHT CONTROL SYSTEMS, MAGNETIC FIELDS, RADAR,  
TERMINAL GUIDANCE, INSTRUMENTATION, DESIGN, MOON (U)

SOFT LUNAR LAND/NG.

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-609 245

GENERAL ELECTRIC CO PHILADELPHIA PA MISSILE AND SPACE  
DIV

COMMUNICATION SATELLITE PROJECT ADVENT  
BIBLIOGRAPHY, (U)

APR 61 27P SADIN, S. R. IWITNER, H. H. I

REPT. NO. R61SD4227

CONTRACT: AFO4 647 476

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTES:

DESCRIPTORS: (\*BIBLIOGRAPHIES, COMMUNICATION  
SATELLITES (ACTIVE)), (\*COMMUNICATION SATELLITES  
(ACTIVE), BIBLIOGRAPHIES), REPORTS, SPECIFICATIONS,  
LAUNCHING SITES, DESIGN, ORBITAL TRAJECTORIES (U)  
IDENTIFIERS: ADVENT PROJECT (U)

THE BIBLIOGRAPHY OF COMMUNICATION SATELLITE  
PROJECT ADVENT IS SUBMITTED. IT PRESENTS A  
LISTING OF REPORTS CONTRIBUTING TO THE TECHNICAL  
PROGRESS OF THE PROGRAM. THE BIBLIOGRAPHY WILL BE  
REVISED BIMONTHLY DURING THE COURSE OF THE CONTRACT. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-613 601

NATIONAL ACADEMY OF SCIENCES WASHINGTON D C SPACE SCIENCE  
BOARD

BIBLIOGRAPHY ON SPACE SCIENCES (UNITED STATES,  
1960).

(U)

DESCRIPTIVE NOTE; REVISED,

60 74P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: UNITED STATES SPACE SCIENCE  
PROGRAM: REPORT TO COSPAR, APPENDIX V, FLORENCE,  
ITALY APR 61. SEE ALSO AD-613 600.

DESCRIPTORS: (ASTRONAUTICS, BIBLIOGRAPHIES),  
TRAJECTORIES, SATELLITES (ARTIFICIAL), TRACKING,  
TELEMETRY SYSTEMS, INSTRUMENTATION, SPACE  
ENVIRONMENTAL CONDITIONS, GRAVITY, GEODESICS,  
ATMOSPHERE, MAGNETIC FIELDS, PARTICLES, METEORITES,  
COSMIC RAYS, SUN, MOON, PLANETS, ASTRONOMY, SPACE  
BIOLOGY, UNITED STATES

(U)

CONTENTS: ORBITS, TRAJECTORIES, AND OTHER  
MOTIONS TRACKING AND TELEMETRY INSTRUMENTATION  
AND TECHNIQUES INTERACTION BETWEEN SPACE VEHICLE  
AND MEDIUM GRAVITY AND GEODESY ATMOSPHERIC  
COMPOSITION AND STRUCTURE PARTICLES AND MAGNETIC  
FIELDS METEORITES, COSMIC DUST, AND TEKTITES THE  
SUN THE MOON AND PLANETS GENERAL ASTRONOMY LIFE  
SCIENCES.

(U)

285

UNCLASSIFIED

000362

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-613 602

NATIONAL ACADEMY OF SCIENCES WASHINGTON D C SPACE SCIENCE  
BOARD

BIBLIOGRAPHY ON SPACE SCIENCES (UNITED STATES,  
1961).

(U)

61 80P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-613 601.

DESCRIPTORS: (•ASTRONAUTICS, BIBLIOGRAPHIES),  
TRAJECTORIES, SATELLITES (ARTIFICIAL), TRACKING,  
TELEMETRY SYSTEMS, INSTRUMENTATION, SPACE  
ENVIRONMENTAL CONDITIONS, GRAVITY, GEODESICS,  
ATMOSPHERE, MAGNETIC FIELDS, PLASMA MEDIUM, PARTICLES,  
COSMIC RAYS, METEORITES, SUN, MOON, PLANETS,  
ASTRONOMY, SPACE BIOLOGY, UNITED STATES

(U)

CONTENTS: ORBITS, TRAJECTORIES, AND OTHER MOTIONS  
TRACKING AND TELEMETRY INSTRUMENTATION AND  
TECHNIQUES INTERACTION BETWEEN SATELLITE AND MEDIUM  
GRAVITY AND GEODESY ATMOSPHERIC COMPOSITION AND  
STRUCTURE PARTICLES AND MAGNETIC FIELDS  
(INCLUDING INTERPLANETARY MATTER, PLASMAS,  
AURORAE, ETC.) METEORITES, COSMIC DUST, AND  
TEXTILES THE SUN (INCLUDING NON-TERRESTRIAL  
PHENOMENA ASSOCIATED WITH THE SUN) THE MOON AND  
PLANETS GENERAL ASTRONOMY LIFE SCIENCES.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-613 603

NATIONAL ACADEMY OF SCIENCES WASHINGTON D C SPACE SCIENCE  
BOARD

BIBLIOGRAPHY ON SPACE SCIENCES (UNITED STATES,  
1962).

(U)

62 135P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-613 602.

DESCRIPTORS: (ASTRONAUTICS, BIBLIOGRAPHIES),  
TRAJECTORIES, SATELLITES (ARTIFICIAL), TRACKING,  
TELEMETRY SYSTEMS, INSTRUMENTATION, SPACE  
ENVIRONMENTAL CONDITIONS, GRAVITY, GEODESICS,  
ATMOSPHERE, PARTICLES, MAGNETIC FIELDS, METEORITES,  
COSMIC RAYS, SUN, MOON, PLANETS, ASTRONOMY, SPACE  
BIOLOGY, UNITED STATES

(U)

CONTENTS: ORBITS, TRAJECTORIES, AND OTHER MOTIONS  
TRACKING AND TELEMETRY INSTRUMENTATION AND  
TECHNIQUES INTERACTION BETWEEN SPACE VEHICLE AND  
MEDIUM GRAVITY AND GEODESY ATMOSPHERIC  
COMPOSITION AND STRUCTURE PARTICLES AND MAGNETIC  
FIELDS METEORITES, COSMIC DUST, AND TEXTILES THE  
SUN THE MOON AND PLANETS GENERAL ASTRONOMY LIFE  
SCIENCES.

(U)

UNCLASSIFIED

000362

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-613 604

NATIONAL ACADEMY OF SCIENCES WASHINGTON D C SPACE SCIENCE  
BOARD

BIBLIOGRAPHY ON SPACE SCIENCES (UNITED STATES,  
1963).

(U)

DESCRIPTIVE NOTE: APPENDIX 5,  
63 153P

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-613 603.

DESCRIPTORS: (\*ASTRONAUTICS, BIBLIOGRAPHIES),  
TRAJECTORIES, SATELLITES (ARTIFICIAL), TRACKING,  
TELEMETRY SYSTEMS, INSTRUMENTATION, SPACE  
ENVIRONMENTAL CONDITIONS, GRAVITY, GEODESICS,  
ATMOSPHERE, MAGNETIC FIELDS, PARTICLES, METEORITES,  
COSMIC RAYS, SUN, MOON, PLANETS, ASTRONOMY, SPACE  
BIOLOGY, UNITED STATES

(U)

CONTENTS: ORBITS, TRAJECTORIES, AND OTHER MOTIONS  
TRACKING AND TELEMETRY INSTRUMENTATION AND  
TECHNIQUES INTERACTION BETWEEN SPACE VEHICLE AND  
MEDIUM GRAVITY AND GEODESY ATMOSPHERIC  
COMPOSITION AND STRUCTURE PARTICLES AND MAGNETIC  
FIELDS METEORITES, COSMIC DUST, AND TEXTILES THE  
SUN THE MOON AND PLANETS GENERAL ASTRONOMY  
LIFE SCIENCES.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-615 025

RAND CORP SANTA MONICA CALIF

A SELECTED BIBLIOGRAPHY OF RAND PUBLICATIONS ON SPACE  
RESEARCH, 1960-1964, (U)

APR 65 76P DORDICK, H. S. ISTURAK, J. T. I

REPT. NO. RM-4508 (ABRIDGED)

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*ASTRONAUTICS, BIBLIOGRAPHIES), SPACE  
FLIGHT, SPACE PROBES, ECONOMICS, POLITICAL SCIENCE,  
INTERPLANETARY TRAJECTORIES, LUNAR PROBES, LUNAR  
TRAJECTORIES, SATELLITES (ARTIFICIAL), ABSTRACTING,  
REPORTS, SPACE ENVIRONMENTAL CONDITIONS (U)

THE PRESENT IS DIVIDED INTO TWO MAIN PARTS: (1)  
A CONTENTS SECTION SUB-DIVIDED INTO EIGHT SUBJECT  
CATEGORIES-ECONOMIC AND POLITICAL IMPLICATIONS  
OF SPACE, INTERPLANETARY FLIGHT, LUNAR  
FLIGHT, SATELLITES, SPACE APPLICATIONS,  
SPACE OPERATIONS, SPACE SCIENCE, AND SPACE  
TECHNOLOGY. TITLES OF RELATIVE PUBLICATIONS ARE  
LISTED SERIALLY BY TYPE UNDER ONE OR MORE OF THESE  
CATEGORIES. (2) A SECTION CONSISTING OF  
ABSTRACTS OF THE PUBLICATIONS ARRANGED NUMERICALLY BY  
TYPE: BOOKS, REPORTS, RAND MEMORANDA,  
PAPERS, AND TRANSLATIONS. (AUTHOR) (U)



UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-615 264

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
LMSC PUBLISHED CONTRIBUTIONS 1964 IMPRINTS. (U)

DESCRIPTIVE NOTE: CITATION BIBLIOGRAPHY,

APR 65 22P REINBURG, J. T. IKOZUMPLIK, W.

A. I

REPT. NO. CB-65-1

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*BIBLIOGRAPHIES, SPACE FLIGHT), (\*SPACE  
FLIGHT, GUIDED MISSILES), PHYSICS, MATERIALS,  
ELECTRONICS, ENGINEERING, NUCLEAR PHYSICS, GEOPHYSICS,  
MECHANICS, ASTROPHYSICS, METALLURGY, CRYOGENICS, SOLID  
STATE PHYSICS, THERMODYNAMICS, FLUID MECHANICS,  
CERAMIC MATERIALS, ATMOSPHERE (U)

PAPERS PUBLISHED BY AUTHORS IN LOCKHEED  
MISSILES AND SPACE COMPANY DURING 1964 ARE  
LISTED. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-623 163

LOCKHEED MISSILES AND SPACE CO SUNNYVALE CALIF  
WEIGHTLESSNESS SIMULATION USING WATER IMMERSION  
TECHNIQUES: AN ANNOTATED BIBLIOGRAPHY, (U)  
JUL 65 55P ABBOTT, HELEN M. IDUDDY, JOHN

H. :

REPT. NO. 5-24-65-3 ,SB-65-2

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (WEIGHTLESSNESS, SIMULATION),  
BIBLIOGRAPHIES, UNDERWATER, SPACE MEDICINE,  
HUMANS, STRESS(PHYSIOLOGY), ACCELERATION  
TOLERANCE, IMPACT SHOCK, HUMAN ENGINEERING,  
STRESS(PSYCHOLOGY) (U)

THE COMPILATION CONTAINS 97 SELECTED REFERENCES  
PERTAINING TO BIOMEDICAL AND BEHAVIORAL RESEARCH  
INVOLVING IMMERSION OF HUMAN SUBJECTS. THE  
REFERENCES ARE ORGANIZED UNDER THREE PRINCIPAL  
TOPICS: (1) PHYSIOLOGICAL STUDIES, INCLUDING  
ACCELERATION, IMPACT PROTECTION AND PHYSIOLOGICAL  
RESPONSES TO WEIGHTLESSNESS SIMULATIONS, (2)  
HUMAN ENGINEERING STUDIES, AND (3)  
TECHNIQUES AND PERSONAL EQUIPMENT REQUIREMENTS  
FOR IMMERSION STUDIES. THE REFERENCES ARE ARRANGED  
ALPHABETICALLY BY AUTHOR OR TITLE UNDER EACH SEPARATE  
TOPIC. AN AUTHOR INDEX IS INCLUDED AS AN AID  
IN LOCATING SPECIFIC INVESTIGATORS AND PUBLICATIONS.  
THE REFERENCES CITED ARE CONSIDERED TO BE THE  
PRINCIPAL CONTRIBUTIONS TO THE LITERATURE DURING THE  
PERIOD FROM 1951 THROUGH 1965, INCLUDING BOTH OPEN  
AND GOVERNMENT SOURCES. (AUTHOR) (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-631 293 22/3 22/1 1/1  
AEROSPACE TECHNOLOGY DIV LIBRARY OF CONGRESS WASHINGTON D  
C  
SPACECRAFT UTILIZING THE LIFTING REENTRY TECHNIQUE.  
PART II. REVIEW OF THEORETICAL STUDIES IN LIFTING  
REENTRY. (U)  
DESCRIPTIVE NOTE: SECT. I, COMPREHENSIVE REPT., SECT.  
II, ANNOTATED BIBLIOGRAPHY.  
APR 66 383P KLEIN, VICTOR I  
BARATOFF, ALEXIS ISOUKHOV, IVAN M. I  
REPT. NO. ATD-66-34-PT-2,  
MONITOR: TT, 66-61052

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: BASED ON COMMUNIST WORLD OPEN  
TECHNICAL LITERATURE, 1 JAN 57-31 DEC 64.

DESCRIPTORS: (\*ATMOSPHERE ENTRY, \*LIFT),  
(\*AERODYNAMICS, ATMOSPHERE ENTRY), (\*SPACECRAFT,  
ATMOSPHERE ENTRY), BIBLIOGRAPHIES,  
ASTRONAUTICS, AERONAUTICS, AEROSPACE CRAFT,  
AERODYNAMIC HEATING, THERMAL STRESSES, SHOCK  
WAVES, ABLATION, HEAT SHIELDS, METEORITES,  
HAZARDS, USSR (U)

THIS REPORT (COMPREHENSIVE REPORT WITH ANNOTATED  
BIBLIOGRAPHY) IS BASED ON SOVIET-SATELLITE OPEN  
SOURCES PUBLISHED 1957-1964, ALTHOUGH SOME EARLIER  
ARTICLES ARE INCLUDED. SECTION I IS A  
COMPREHENSIVE REVIEW OF SOURCES ON THEORETICAL AND  
EXPERIMENTAL STUDIES OF PROBLEMS IN FIELDS OF SPACE  
SCIENCES, I.E., PROBLEMS OF LIFTING AND BALLISTIC  
HYPERVELOCITY FLIGHT, AND ATMOSPHERIC REENTRY  
TECHNIQUES. THERE ARE FOUR PARTS FOLLOWING THE  
INTRODUCTION: GROUP A. HIGH-SPEED AERODYNAMICS  
AND GAS DYNAMICS; GROUP B. HIGH-SPEED  
AEROTHERMODYNAMICS; GROUP C. HIGH-SPEED FLIGHT  
MECHANICS; GROUP D. STRENGTH OF FLIGHT -VEHICLE  
COMPONENTS (THIN AND SANDWICH PLATES AND SHELLS).  
A BRIEF CONCLUSION IS GIVEN. IN WRITING THIS  
REPORT ARTICLES AND MONOGRAPHS HAVING A CLOSER  
RELATION TO THE REENTRY PROBLEM AND SHOWING EITHER AN  
ORIGINAL APPROACH TO THE PROBLEM OR A NEW METHOD  
APPLIED TO ITS SOLUTION WERE SELECTED FROM THE  
BIBLIOGRAPHY AND USED. SECTION II IS AN  
ANNOTATED BIBLIOGRAPHY CONTAINING 861 ENTRIES  
ARRANGED BY SUBJECT IN A MANNER SIMILAR TO SECTION  
I: GROUP A. AEROMECHANICS OF HIGH-SPEED FLOWS  
(451 ENTRIES); GROUP B. AEROTHERMODYNAMICS OF  
HIGH-SPEED FLOWS (168 ENTRIES); GROUP C.  
FLIGHT MECHANICS (53 ENTRIES); GROUP D.

(U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-632 761 22/2 22/1 22/3 3/2  
TRW SYSTEMS REDONDO BEACH CALIF  
THE SOVIET SPACE PROGRAM: A SELECTIVE  
BIBLIOGRAPHY. (U)  
DESCRIPTIVE NOTE; SPECIAL LITERATURE SURVEY NO. 16,  
MAR 66 J3P MAGNOLIA, L. R. 1  
REPT. NO. 9990-7235-TO-000,  
MONITOR: TT, 66-61250

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE:

DESCRIPTORS: (\*SPACE FLIGHT, USSR),  
(\*BIBLIOGRAPHIES, SPACE FLIGHT), MOON,  
WEIGHTLESSNESS, SATELLITES(ARTIFICIAL),  
SPACECRAFT, SPACE BIOLOGY, GEOPHYSICS (U)

THE BIBLIOGRAPHY CONSISTS OF 121 ITEMS, ARRANGED  
ALPHABETICALLY BY AUTHOR OR BY THE ISSUING AGENCY. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-641 973 22/1

TRW SYSTEMS REDONDO BEACH CALIF

MANNED EXPLORATION, COLONIZATION AND EXPLOITATION OF  
THE LUNAR SURFACE; A SELECTIVE BIBLIOGRAPHY. (U)

DESCRIPTIVE NOTE: SPECIAL LITERATURE SURVEY NO. 26,

OCT 66 15P MAGNOLIA, L. R. I

REPT. NO. 99900-6045-T000

UNCLASSIFIED REPORT

DESCRIPTORS: (LUNAR ENVIRONMENT,  
BIBLIOGRAPHIES), LUNAR BASES, LUNAR CRAFT,  
LUNAR SURFACE VEHICLES, ASTRONAUTICS, MANNED,  
MOON, SURVIVAL (U)

THE REPORT LISTS 124 REFERENCES WHICH ARE ALL  
AVAILABLE TO THE PUBLIC. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-645 072 22/3 20/4  
LIBRARY OF CONGRESS WASHINGTON D C AEROSPACE TECHNOLOGY  
DIV  
SPACECRAFT UTILIZING THE LIFTING AND BALLISTIC  
REENTRY TECHNIQUES. PART II. REVIEW OF THEORETICAL  
STUDIES IN LIFTING AND BALLISTIC REENTRY, (U)  
AUG 66 186P KLEIN, VICTOR I  
BARATOFF, ALEXIS I  
REPT. NO. ATD-66-106  
MONITOR: TT 67-60400

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: REPT. ON SURVEYS OF FOREIGN  
SCIENTIFIC AND TECHNICAL LITERATURE. SEE ALSO AD-  
608 504.

DESCRIPTORS: (\*ATMOSPHERE ENTRY, MANNED  
SPACECRAFT), (\*REENTRY VEHICLES, ATMOSPHERE  
ENTRY), (\*LIFTING REENTRY VEHICLES, ATMOSPHERE  
ENTRY), BALLISTICS, REVIEWS, ABSTRACTS,  
BIBLIOGRAPHIES, AERODYNAMICS, THERMODYNAMICS,  
FLIGHT, SPACECRAFT COMPONENTS, USSR, THEORY (U)

CONTENTS: (A) HIGH-SPEED AERODYNAMICS AND GAS  
DYNAMICS (SUPERSONIC AND HYPERSONIC AERODYNAMICS;  
RADIATION, DISSOCIATION, IONIZATION, RELAXATION;  
BOUNDARY LAYER; SHOCK WAVES; OPTIMUM AERODYNAMIC  
SHAPES); (B) HIGH-SPEED AEROTHERMODYNAMICS  
(AERODYNAMIC HEATING; PROTECTION AGAINST  
AERODYNAMIC HEATING; EXPERIMENTAL STUDIES AND  
EQUIPMENT); (C) HIGH-SPEED FLIGHT MECHANICS  
(SPACE VEHICLE DESCENT; SPACECRAFT MOTION AND  
CONTROL; BALLISTIC AND POWER-FLIGHT TRAJECTORIES;  
METEORITE HAZARDS); (D) STRENGTH OF FLIGHT-VEHICLE  
COMPONENTS (THIN AND SANDWICH PLATES AND SHELLS)  
(GENERAL THEORIES OF STRENGTH; STATIC STRENGTH;  
DYNAMIC STRENGTH OF PLATES AND SHELLS); (E,  
MISCELLANEOUS. AN ANNOTATED BIBLIOGRAPHY (94  
PAGES AND 241 ENTRIES) IS INCLUDED. (U)

UNCLASSIFIED

DDC REPORT BIBLIOGRAPHY SEARCH CONTROL NO. 000362

AD-650 581 22/2 4/1 20/6  
MICHIGAN UNIV ANN ARBOR INST OF SCIENCE AND  
TECHNOLOGY  
REMOTE SENSING OF ENVIRONMENT. (U)  
DESCRIPTIVE NOTE; PROGRESS REPT., 1 AUG 65-31 DEC 66.  
APR 67 28P PRENTICE, VIRGINIA L. I  
REPT. NO. 4864-12-P  
CONTRACT: NONR-1224(44)  
PROJ: NR-387-028

UNCLASSIFIED REPORT

SUPPLEMENTARY NOTE: SEE ALSO AD-614 032.

DESCRIPTORS: (SPACE PROBES, SYMPOSIA),  
(ATMOSPHERIC SOUNDING, INSTRUMENTATION),  
(REMOTE CONTROL SYSTEMS, MONITORS), RADAR,  
RADAR IMAGES, INFRARED IMAGES, BIBLIOGRAPHIES,  
ENVIRONMENT, LASERS, MICROWAVES, INFRARED  
RADIATION, ELECTROMAGNETIC WAVES (U)

THIS DOCUMENT REPORTS INVESTIGATION OF PROGRESS IN  
THE UNCLASSIFIED AREAS IN THE TECHNOLOGY OF REMOTE  
SENSING OF ENVIRONMENT. IT INCLUDES A SYNOPSIS OF  
PROGRESS IN THE FIELD AS REPORTED AT THE FOURTH  
SYMPOSIUM ON REMOTE SENSING OF ENVIRONMENT, A  
DISCUSSION OF THE EXISTENCE AND AVAILABILITY OF  
UNCLASSIFIED IMAGERY, AND A SUMMARY OF RELATED  
ACTIVITIES. A SELECTED BIBLIOGRAPHY OF MATERIAL  
PUBLISHED IN THE OPEN LITERATURE IS ALSO  
INCLUDED. (U)

•AERONAUTICAL CHART AND INFORMATION  
CENTER ST LOUIS MO

• • •  
CATALOG OF PUBLICATIONS.  
AD-609 226

•AERONAUTICAL SYSTEMS DIV WRIGHT-  
PATTERSON AFB OHIO

• • •  
ASD-TR61 408  
SURVEY OF RECENT RESEARCH ON  
FLAME EXTINGUISHMENT.  
AD-435 541

•AEROSPACE CORP EL SEGUNDO CALIF

• • •  
PROFESSIONAL PAPERS CLEARED FOR  
POSSIBLE PUBLICATION AND/OR  
PRESENTATION.  
AD-600 728

• • •  
CSR169 9990FBRI  
BIBLIOGRAPHY OF REPORTS.  
AD-438 720

• • •  
CSR-269 9990APP1 SUPERSEDES  
PROFESSIONAL PAPERS CLEARED FOR  
POSSIBLE PUBLICATION AND/OR  
PRESENTATION.  
AD-602 241

• • •  
CSR-269 9990PP1-PP11  
PROFESSIONAL PAPERS CLEARED FOR  
POSSIBLE PUBLICATION AND/OR  
PRESENTATION.  
AD-602 241

• • •  
REPT. NO. CSR169 9990QBR4  
QUARTERLY BIBLIOGRAPHY OF  
REPORTS PREPARED UNDER CONTRACT NO.  
AF04(690-169 (PERIOD COVERING 1  
APRIL THROUGH 30 JUNE 1963)).  
AD-412 658

• • •  
TDR269 4303 6  
BIBLIOGRAPHY ON THE USE OF  
REDUNDANCY AS A MEANS OF IMPROVING  
RELIABILITY.  
(SSD-TDR63 375)  
AD-433 614

•AEROSPACE INFORMATION DIV LIBRARY OF  
CONGRESS WASHINGTON D C

• • •  
PLASMA SPECTROSCOPY, ANNOTATED  
BIBLIOGRAPHY.  
(AID-B63 93)  
AD-414 327

AID-61-145A  
THERMAL STABILITY OF JET  
(BIBLIOGRAPHY).  
(TT-65-64076)  
AD-621 883

• • •  
AID-U-64-2  
ELECTROSTATIC PHOTOGRAPHY.  
(TT-65-64285)  
AD-622 940

• • •  
AID-U-64-4  
CHARGE-CHANGING COLLISIONS IN  
GASES. A DESCRIPTIVE BIBLIOGRAPHY  
I.  
(TT-65-64121)  
AD-622 232

• • •  
AID-U-64-21  
ACTIVITIES INVOLVING BLASTING  
OPERATIONS: REVIEW ARTICLE AND  
ANNOTATED BIBLIOGRAPHY (USSR).  
(TT-65-64453)  
AD-623 242

• • •  
AID-U-64-28  
ULTRASONIC ATTENUATION STUDY  
OF IRRADIATED MATERIALS: ANNOTA  
BIBLIOGRAPHY.  
(TT-65-64457)  
AD-623 246

• • •  
AID-U-64-37  
CURRENT INFORMATION ON FUELS  
AND LUBRICANTS: COMPILATION OF  
ABSTRACTS.  
(TT-65-64459)  
AD-623 248

• • •  
AID-U-64-38  
NUCLEAR WEAPONS EFFECTS:  
COMPILATION OF ABSTRACTS.  
(TT-65-64460)  
AD-623 249

•AEROSPACE MEDICAL RESEARCH LABS  
WRIGHT-PATTERSON AFB OHIO

• • •  
AMRL-TDR63 121  
BIBLIOGRAPHY OF BIOREGENERAT  
SYSTEMS FOR EXTRATERRESTRIAL  
HABITATION.  
AD-430 814

•AEROSPACE RESEARCH LABS WRIGHT-  
PATTERSON AFB OHIO

• • •  
ARL-65 25  
QUANTUM THEORY OF MANY-PARTI



AER-AIR

SYSTEMS,  
AD-610 079

• • •  
ARL-65-120  
A BIBLIOGRAPHY ON MOVING  
STRIATIONS,  
AD-619 027

• AEROSPACE TECHNOLOGY DIV LIBRARY OF  
CONGRESS WASHINGTON D C  
• • •

1  
STRUCTURE OF ORGANIC CRYSTALS,  
(TT-65-64858)  
AD-625 075

• • •  
ATD-65-77  
STRUCTURE OF ORGANIC CRYSTALS,  
(TT-65-64858)  
AD-625 075

• • •  
ATD-65-84  
OPTICAL DETECTION: COMPILATION  
OF ABSTRACTS,  
(TT-65-64725)  
AD-624 439

• • •  
ATD-65-99  
COMPOUND SEMICONDUCTORS:  
ANALYTICAL SURVEY,  
(TT-66-60385)  
AD-627 167

• • •  
ATD-65-104  
STRUCTURE OF ORGANIC CRYSTALS:  
ANNOTATED BIBLIOGRAPHY,  
(TT-66-60263)  
AD-626 597

• • •  
ATD-65-111  
THE THEORY OF DETONATION, THE  
COMBUSTION MECHANISM, AND THE  
PROPERTIES OF EXPLOSIVES,  
(TT-66-60085)  
AD-625 326

• • •  
ATD-66-2  
LIQUID AND SOLID PROPELLANTS  
TECHNOLOGY: COMPILATION OF  
ABSTRACTS,  
(TT-66-60553)  
AD-628 166

• • •  
ATD-66-34-PT-2  
SPACECRAFT UTILIZING THE  
LIFTING REENTRY TECHNIQUE, PART  
II. REVIEW OF THEORETICAL STUDIES  
IN LIFTING REENTRY,  
(TT-66-61052)

AD-631 293

• • •  
ATD-66-56  
ULTRAHIGH PRESSURE STUDIES AND  
CRYSTAL GROWTH TECHNIQUES:  
ANALYTICAL SURVEY,  
(TT-66-61772)  
AD-635 495

• AIR FORCE CAMBRIDGE RESEARCH LABS L G  
HANSCOM FIELD MASS  
• • •

APCRL-62 1075  
THE STUDY OF HYDROMAGNETIC  
PROBLEMS BEARING ON GEOMAGNETISM,  
AD-417 336

• • •  
APCRL-63 160  
A LITERATURE SURVEY OF THE  
PURIFICATION OF ELECTRONIC  
MATERIALS,  
AD-412 458

• • •  
APCRL-64 202  
WEATHER RADAR RESEARCH AND  
STORM DYNAMICS,  
AD-430 520

• • •  
APCRL-65-384  
A BIBLIOGRAPHY OF THE  
ELECTRICALLY EXPLODED CONDUCTOR  
PHENOMENON, SUPPLEMENT NO. 1,  
AD-618 131

• • •  
APCRL-67-0223  
A BIBLIOGRAPHY OF LASER  
APPLICATIONS,  
AD-655 774

• • •  
SR-25  
A BIBLIOGRAPHY OF THE  
ELECTRICALLY EXPLODED CONDUCTOR  
PHENOMENON, SUPPLEMENT NO. 1,  
AD-618 131

• AIR FORCE FLIGHT DYNAMICS LAB WRIGHT-  
PATTERSON AFB OHIO  
• • •

APFDL-TR-66-67  
DEVELOPMENT OF EXPERIMENTAL  
TESTING PROGRAMS TO VERIFY THERMAL  
STRESS ANALYSIS,  
AD-486 798

• AIR FORCE INST OF TECH WRIGHT-  
PATTERSON AFB OHIO  
• • •

TR-60-3  
THE MEASUREMENTS OF E/M, AN

ANNOTATED BIBLIOGRAPHY,  
AD-630 602

•AIR FORCE MATERIALS LAB WRIGHT-  
PATTERSON AFB OHIO

• • •  
ML-TR-64-416  
ELECTRON FRACTOGRAPHY HANDBOOK,  
AD-612 912

•AIR FORCE OFFICE OF SCIENTIFIC  
RESEARCH ARLINGTON VA

• • •  
PROBLEMS IN RHEOLOGY AND  
PHYSICAL CHEMISTRY,  
AD-416 376

• • •  
AFOSR-64 1110  
STRUCTURES OF BIOLOGICALLY  
ACTIVE MOLECULES,  
AD-601 690

• • •  
AFOSR-64 1138  
FINAL REPORT (AEROSPACE  
ENGINEERING: GAS DYNAMICS),  
AD-601 730

• • •  
AFOSR-65-2019  
BIBLIOGRAPHY ON MHD CHANNEL  
FLOW,  
AD-627 901

• • •  
AFOSR-66-0917  
RESEARCH IN OPTICAL COHERENCE,  
AD-634 013

• • •  
AFOSR-66-2692  
RESEARCH ON SPEECH  
COMMUNICATION AND AUTOMATIC SPEECH  
RECOGNITION,  
AD-642 763

• • •  
AFOSR-700-3  
AIR FORCE SCIENTIFIC RESEARCH  
BIBLIOGRAPHY, VOLUME III, 1959,  
AD-626 600

•AIR FORCE WEAPONS LAB KIRTLAND AFB N  
MEX

• • •  
AFWL-RTD TDR63 3025  
BIBLIOGRAPHY OF  
EXTRATERRESTRIAL RESEARCH,  
AD-410 518

•AMERICAN UNIV WASHINGTON D C

• • •  
RM64 1  
UNCONVENTIONAL WARFARE.

AD-429 209

• • •  
RM64 2  
JUNGLE WARFARE BIBLIOGRAPHY,  
AD-431 929

• • •  
RM-64-4  
COUNTERINSURGENCY BIBLIOGRAPHY  
SUPPLEMENT NO. 2,  
AD-433 158

•AMERICAN UNIV WASHINGTON D C CENTER  
FOR RESEARCH IN SOCIAL SYSTEMS

• • •  
BIBLIOGRAPHY ON  
COUNTERINSURGENCY, UNCONVENTIONAL  
WARFARE, AND PSYCHOLOGICAL  
OPERATIONS. SUPPLEMENT NO. 9,  
AD-642 321

• • •  
CINFAC BIBLIOGRAPHIC REVIEW,  
SUPPLEMENT NO. 10, AUGUST, 1966,  
AD-642 362

• • •  
CINFAC BIBLIOGRAPHIC REVIEW:  
SUPPLEMENT NO. 11,  
AD-647 887

• • •  
CINFAC BIBLIOGRAPHIC REVIEW  
SUPPLEMENT NO. 12,  
AD-654 795

• • •  
CINFAC BIBLIOGRAPHIC REVIEW:  
SUPPLEMENT NO. 13,  
AD-656 465

• • •  
CRESS/CINFAC-R-0603  
A SELECTED BIBLIOGRAPHY ON  
URBAN INSURGENCY AND URBAN UNREST  
IN LATIN AMERICA AND OTHER AREAS,  
AD-648 508

•AMERICAN UNIV WASHINGTON D C  
SPECIAL OPERATIONS RESEARCH OFFICE

• • •  
COUNTERINSURGENCY BIBLIOGRAPHY  
SUPPLEMENT NO. 4,  
AD-607 767

• • •  
RM64 9  
COUNTERINSURGENCY BIBLIOGRAPHY,  
AD-442 272

• • •  
RM64 12  
PSYCHOLOGICAL OPERATIONS  
BIBLIOGRAPHY, SUPPLEMENT NO. 3,  
AD-446 444

• • •  
RM64 14

UNCONVENTIONAL WARFARE -  
BIBLIOGRAPHY SUPPLEMENT NO. 4,  
AD-452 176

• • •

RM-64-15  
PSYCHOLOGICAL OPERATIONS  
BIBLIOGRAPHY, SUPPLEMENT NO. 4,  
AD-456 200

• • •

RM-64-16  
COUNTERINSURGENCY BIBLIOGRAPHY  
SUPPLEMENT NO. 5,  
AD-458 765

• • •

RM-65-5  
UNCONVENTIONAL WARFARE  
BIBLIOGRAPHY SUPPLEMENT NO. 6,  
AD-467 544

• • •

RM-65-6  
PSYCHOLOGICAL OPERATIONS  
BIBLIOGRAPHY, SUPPLEMENT NO. 6,  
AD-467 062

• • •

RM-65-7  
COUNTERINSURGENCY BIBLIOGRAPHY -  
SUPPLEMENT NO. 7,  
AD-468 851

• • •

RM-65-8  
UNCONVENTIONAL WARFARE  
BIBLIOGRAPHY, SUPPLEMENT NO. 7,  
AD-473 881

• • •

RM-65-9  
PSYCHOLOGICAL OPERATIONS  
BIBLIOGRAPHY - SUPPLEMENT NO. 7,  
AD-473 882

• • •

RM-65-14  
PSYCHOLOGICAL OPERATIONS  
BIBLIOGRAPHY SUPPLEMENT NO. 8,  
AD-467 061

• • •

SJRC-RM-64-10  
UNCONVENTIONAL WARFARE,  
AD-604 572

• • •

SJRC-RM-65-1  
UNCONVENTIONAL WARFARE,  
AD-461 201

ARMED FORCES RADIOBIOLOGY RESEARCH  
INST BETHESDA MD

• • •

AFRRI-SP66-10  
GAMMA RAY SPECTRAL ANALYSIS: A  
SELECTED BIBLIOGRAPHY,  
AD-643 127

ARMY BIOLOGICAL LABS FREDERICK MD

• • •

MISCELLANEOUS PUBLICATION-6  
MICROBIOLOGICAL SAFETY  
BIBLIOGRAPHY,  
AD-618 672

ARMY ELECTRONICS LABS FORT MONMOUTH N  
J

• • •

PUBLICATIONS, PRESENTATIONS AND  
PATENTS, 1964,  
AD-615 000

ARMY GENERAL EQUIPMENT TEST ACTIVITY  
FORT LEE VA

• • •

ABSTRACT BIBLIOGRAPHY TECHNICAL  
REPORTS PUBLISHED FISCAL YEAR 1964,  
AD-602 772

ARMY LIBRARY WASHINGTON D C

• • •

SB-7  
UNITED STATES NATIONAL  
SECURITY,  
(TT-65-64025)  
AD-621 644

ARMY MATERIALS RESEARCH AGENCY  
WATERTOWN MASS

• • •

AMRA-MS-64-11  
A REPORT GUIDE TO GAMMA  
RADIOGRAPHIC LITERATURE,  
AD-612 042

• • •

AMRA-MS-64-12  
A REPORT GUIDE TO LIQUID  
PENETRANT LITERATURE,  
AD-612 044

• • •

AMPA-MS-64-13  
A REPORT GUIDE TO LITERATURE IN  
THE FIELDS OF FLUOROSCOPY AND  
REMOTE VIEWING TECHNIQUES,  
AD-612 045

• • •

AMRA-MS-64-14  
A REPORT GUIDE TO THERMAL  
TESTING LITERATURE,

ARACON GEOPHYSICS CO CONCORD MASS

• • •

F9186 3  
WEATHER RADAR RESEARCH AND  
STORM DYNAMICS,  
(AFCL-64 202)  
AD-430 520

AD-612 043

AMRA-MS-67-05

A REPORT GUIDE TO FATIGUE  
TESTING LITERATURE.  
AD-652 801

MS-64-10

A REPORT GUIDE TO  
AUTORADIOGRAPHIC AND  
MICRORADIOGRAPHIC LITERATURE.  
AD-612 047

•ARMY MEDICAL RESEARCH LAB FORT KNOX  
KY

USAMRL-692

SPEAKER RECOGNITION, SPEECH  
CHARACTERISTICS, SPEECH EVALUATION,  
AND MODIFICATION OF SPEECH SIGNAL,  
A SELECTED BIBLIOGRAPHY.  
AD-645 074

•ARMY MISSILE COMMAND REDSTONE  
ARSENAL ALA

LIST OF TECHNICAL DOISHED  
DURING THE YEARS 1958 THROUGH 1962.  
AD-419 588

AMC RA-RR TR64 1

MATERIALS FOR RE-ENTRY, A  
SELECTED BIBLIOGRAPHY, 1959-1963,  
AD-433 656

•ARMY MISSILE COMMAND REDSTONE  
ARSENAL ALA ADVANCED SYSTEMS LAB

RD-TM-65-14

A BIBLIOGRAPHY ON MICROWAVE  
(ROTATIONAL) SPECTROSCOPY,  
AD-625 846

•ARMY NATICK LABS MASS

NL-1

BIBLIOGRAPHY OF PUBLICATIONS  
AND TECHNICAL PAPERS FOR 1963.  
AD-630 118

NL-2

BIBLIOGRAPHY OF PUBLICATIONS  
AND TECHNICAL PAPERS FOR 1964.  
AD-630 132

TR-67-1

BIBLIOGRAPHY OF TECHNICAL  
PUBLICATIONS AND PAPERS, JANUARY  
1965 - JUNE 1966.

AD-640 252

•ARMY NUCLEAR DEFENSE LAB EDGEWOOD  
ARSENAL MD

A LISTING OF CINDA, AN INDEX TO  
THE LITERATURE ON MICROSCOPIC  
NEUTRON DATA,  
(DASA-15351)  
AD-607 668

NDL-SP10

A LISTING OF CINDA, AN INDEX TO  
THE LITERATURE ON MICROSCOPIC  
NEUTRON DATA,  
AD-607 668

•AUERBACH CORP PHILADELPHIA PA

1151-TR-3

DOD USER NEEDS STUDY, PHASE 1,  
VOLUME 1.  
AD-615 501

•AUTONETICS DOWNEY CALIF

EM1163 106

A SURVEY OF LITERATURE ON  
TECHNIQUES AND INSTRUMENTATION FOR  
MEASURING ELECTRICAL PULSE  
INTERVALS,  
AD-403 137

TS-1245/3111

OCCUPATIONAL LASER HAZARDS- A  
SURVEY OF THE LITERATURE,  
AD-617 913

•BATTELLE MEMORIAL INST COLUMBUS OHIO

DAMPING CAPACITY OF MATERIALS,  
(RSIC-508-VOL-2)  
AD-640 689

•BATTELLE MEMORIAL INST COLUMBUS OHIO

LATERAL VIBRATIONS IN MISSILES:  
A BIBLIOGRAPHY,  
(RSIC-266)  
AD-451 321

WATER TUNNEL DESIGN AND RELATED  
INSTRUMENTATION CONSIDERATIONS AND  
A SELECTED BIBLIOGRAPHY ON  
INCOMPRESSIBLE INTERNAL FLUID FLOW,  
(RSIC-328)  
AD-457 110

•BATTELLE MEMORIAL INST COLUMBUS OHIO

COLUMBUS LABS

• • •

DAMPING CAPACITY OF MATERIALS,  
(RSIC-508-VOL-1)

AD-640 465

•BATTELLE MEMORIAL INST COLUMBUS OHIO  
RADIATION EFFECTS INFORMATION  
CENTER

• • •

MONTHLY ACCESSION LIST,  
ABSTRACTS, PART I.  
AD-405 134

• • •

MONTHLY ACCESSION LIST  
COORDINATE INDEX PART II.  
AD-432 663

• • •

71  
MONTHLY ACCESSION LIST 71,  
ABSTRACT NO. 21404 TO 21455, PART  
I.  
AD-429 407

• • •

ACCESSION LIST 65  
MONTHLY ACCESSION LIST 65,  
ABSTRACTS, PART I.  
AD-411 944

• • •

ACCESSION LIST NO. 86  
MONTHLY ACCESSION LIST,  
ABSTRACT NO. 27166 TO 27222, PART  
I.  
AD-614 985

• • •

AL63  
MONTHLY ACCESSION LIST,  
ABSTRACTS, PART I.  
AD-406 070

• • •

AL70  
MONTHLY ACCESSION LIST,  
ABSTRACT NO. 21254 TO 21301, PART  
I.  
AD-426 797

• • •

MAL-77  
MONTHLY ACCESSION LIST,  
ABSTRACT NO. 24527 TO 24600, PART  
I.  
AD-603 689

• • •

REIC ASCENSIONS LIST NO. 68  
MONTHLY ACCESSION LIST,  
ABSTRACTS, PART I.  
AD-417 681

• • •

REIC-M-24  
A SELECTED BIBLIOGRAPHY OF

PULSED RADIATION EFFECTS,  
AD-615 339

•BUREAU OF NAVAL WEAPONS WASHINGTON D  
C

• • •

NAVWEPS-8191  
MAGNETORESISTANCE IN METALS,  
SEMICONDUCTORS, AND ALLOYS: A  
BIBLIOGRAPHY ON THEORETICAL AND  
EXPERIMENTAL ASPECTS,  
AD-603 359

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• • •

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•CHICAGO UNIV ILL ENRICO FERMI INST  
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•CORNELL UNIV ITHACA N Y GRADUATE  
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• • •  
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 D C

• • •  
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• • •  
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• • •  
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• • •  
 BIBLIOGRAPHY OF BIBLIOGRAPHIES  
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• • •  
 NON-DESTRUCTIVE TESTING, A DDC  
 REPORT BIBLIOGRAPHY,  
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• • •  
 SHOCK AND VIBRATION, DATA  
 ANALYSIS AND APPLICATIONS, A DDC  
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 AD-421 843

• • •  
 COMBUSTION AND EXHAUST  
 PRODUCTS, A DDC REPORT  
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•DEPARTMENT OF THE ARMY WASHINGTON D  
 C

• • •  
 DA-PAM-20-67

COMMUNIST CHINA: A STRATEGIC  
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•DEPARTMENT OF THE ARMY WASHINGTON D  
 C

• • •  
 MISSILES AND VENTURES INTO  
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•DOUGLAS AIRCRAFT CO INC SANTA MONICA  
 CALIF

• • •  
 ELECTRON FRACTOGRAPHY HANDBOOK,  
 (ML-TR-64-416)  
 AD-612 912

• • •  
 SM43059  
 BIBLIOGRAPHY ON BOUNDARY LAYER  
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•ELECTRONIC SYSTEMS DIV L G HANSCOM  
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• • •  
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• • •  
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• • •  
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AD-652 406

• FEDERAL AVIATION ADMINISTRATION  
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• • •  
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• FEDERAL AVIATION AGENCY OKLAHOMA  
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• • •  
FAA BIBLIOGRAPHIC LIST-3  
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AD-642 541

• FEDERAL AVIATION AGENCY WASHINGTON D

C

• • •  
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REFERENCES.  
AD-640 206

• FEDERAL AVIATION AGENCY WASHINGTON D  
C

• • •  
SONIC BOOM BIBLIOGRAPHY,  
AD-447 717

• FORDHAM UNIV BRONX N Y INST OF  
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• • •  
SOVIET BIOMEDICAL JOURNALS:  
INDEX TO SELECTED ABSTRACTS, SERIES  
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• FOREIGN TECHNOLOGY DIV WRIGHT-  
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• • •  
FTD-TT64 3951  
BIBLIOGRAPHY OF PUBLICATIONS ON  
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• GENERAL ELECTRIC CO PHILADELPHIA PA  
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• • •  
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• GENERAL MOTORS CORP MILWAUKEE WIS AC  
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• • •  
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AD-429 301

• GEORGIA INST OF TECH ATLANTA  
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• • •  
MANUSCRIPT OF CATALOGUE, VOLUME  
9. A SECOND RADIO FREQUENCY  
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• GEOTECH DIV TELEDYNE INDUSTRIES INC

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• • •  
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•GRADUATE AERONAUTICAL LABS CALIF INST  
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• • •  
BIBLIOGRAPHY ON MHD CHANNEL  
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•HARVARD UNIV CAMBRIDGE MASS

• • •  
STRUCTURES OF BIOLOGICALLY  
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(AFOSR-64 1110)  
AD-601 690

•HERCULES POWDER CO KENVIL N J

• • •  
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BIBLIOGRAPHY ON WING II  
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•HERCULES POWDER CO MAGNA UTAH

• • •  
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BIBLIOGRAPHY REPORT, WEAPON  
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•HRB-SINGER INC STATE COLLEGE PA

• • •  
HRB-352-2-13  
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• • •  
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LITERATURE ON DESIGN TECHNIQUES  
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•INDIANA UNIV BLOOMINGTON

• • •  
FINAL REPORT NUCLEAR  
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•JOHNS HOPKINS UNIV SILVER SPRING MD

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• • •  
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• • •  
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RELATIVISTIC EFFECT ON THE  
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• • •  
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• • •  
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• • •  
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• • •  
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ELECTROMAGNETIC WAVE  
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• • •  
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•KAMAN NUCLEAR COLORADO SPRINGS COLO

• • •  
KN-738-67-2(R)  
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• • •

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• • •

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• • •

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• • •

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• • •

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• • •

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• • •

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• • •

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• • •

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AD-412 953

• • •

AID-U-64-43  
RADIATION DAMAGE IN SOLIDS.  
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• • •

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AD-456 758

• • •

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SPACECRAFT UTILIZING THE  
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• • •

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(TT-67-61152)  
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• • •

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• • •

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• • •

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• • •

ATD-P-65-23  
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## ANALYTICAL SURVEY.

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BIBLIOGRAPHY.

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. . .

ATD-U-64-100

AKADEMIYA NAUK SSSR. INSTITUT  
OVIKATELEY. A PRELIMINARY UNEDITED  
REPORT.

(TT-65-64133)

AD-622 243

. . .

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UNDERGROUND COMMUNICATIONS.  
ANNOTATED BIBLIOGRAPHY OF SOVIET  
BLOC LITERATURE FOR THE PERIOD 1960-  
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AD-412 427

. . .

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ORGANIC SEMICONDUCTORS.

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. . .

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THEORETICAL PLASMA PHYSICS AND  
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AD-456 765

. . .

U 64 90

COMPOUND SEMICONDUCTORS.  
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AD-455 161

• LIBRARY OF CONGRESS WASHINGTON D C  
SCIENCE AND TECHNOLOGY DIV

. . .

BIBLIOGRAPHY OF BIOREGENERATING  
SYSTEMS FOR EXTRATERRESTRIAL  
HABITATION.

(AMRL-TDR63 121)

AD-430 814

. . .

AIR FORCE SCIENTIFIC RESEARCH  
BIBLIOGRAPHY, VOLUME 111, 1959,  
(AFOSR-700-3)

AD-626 600

• LINCOLN LAB MASS INST OF TECH  
LEXINGTON

. . .

REF BIBLIOGRAPHY-26  
SCATTERING AND ATTENUATION BY  
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(ESD-TDR-65-598)

AD-628 200

• LOCKHEED MISSILES AND SPACE CO  
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. . .

3 35 63 11  
METEORIDS AS A POSSIBLE HAZARD  
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. . .

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. . .

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• • •

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6 90 63 78

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• • •

6 90 63 79

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• • •

8 19 63 •

THE FUNDAMENTAL EFFECTS OF  
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• • •

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OPTICAL IMAGE CONVERTERS: AN  
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• • •

63 18

AERODYNAMIC HEATING AND OTHER  
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• •

CB-65-1

LMSC PUBLISHED CONTRIBUTIONS  
1964 IMPRINTS,  
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• • •

REPT. NO. 3 35 63 2

AERODYNAMIC HEATING AND OTHER  
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• • •

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• • •

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SPECIAL BIBLIOGRAPHY SB63 431

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WIND WAVES AND SEA SLOPE  
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AD-431 608

SRB 63 3

SUPERCONDUCTIVITY JANUARY-JUNE  
1963: AN ANNOTATED BIBLIOGRAPHY,  
AD-438 180

SRB63 7

NEUTRON FLUX MEASUREMENTS: AN  
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AD-600 707

•LOCKHEED-GEORGIA CO MARIETTA

EQ-8316

PLAN FOR THE DEVELOPMENT OF ALL  
WEATHER LANDING SYSTEM RELIABILITY  
ANALYSIS AND CRITERIA, PHASE I,  
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AD-644 417

•MARTIN CO ORLANDO FLA

RB-87

TECHNICAL WRITING: A SELECTED  
BIBLIOGRAPHY,  
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•MARYLAND UNIV COLLEGE PARK

MANY-BODY PROBLEM.

AD-427 795

•MASSACHUSETTS INST OF TECH CAMBRIDGE

DSR-8734-4

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LIQUID FLOW LITERATURE. PART II,  
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•MASSACHUSETTS INST OF TECH CAMBRIDGE  
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DETERMINATION OF THE STATE OF  
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•MASSACHUSETTS INST OF TECH LEXINGTON  
LINCOLN LAB

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• • •

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• • •

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• • •

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• MELLON INST PITTSBURGH PA

• • •

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• HELPAR INC FALLS CHURCH VA

• • •

COMPREHENSIVE BIBLIOGRAPHY FOR  
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• MICHIGAN UNIV ANN ARBOR

• • •

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• MICHIGAN UNIV ANN ARBOR INST OF  
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• • •

2900-185-B  
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• • •

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• MIDWEST RESEARCH INST KANSAS CITY MO

• • •

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• • •

A BIBLIOGRAPHY OF SEARCH THEORY  
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AD-636 531

• MINNESOTA UNIV MINNEAPOLIS INST OF  
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• • •

ANNOTATED BIBLIOGRAPHY ON  
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AD-423 296

• MITRE CORP BEDFORD MASS

• • •

SPACECRAFT STABILIZATION AND  
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AD-416 078

• MONSANTO RESEARCH CORP DAYTON OHIO

• • •

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AD-435 541

• NATIONAL ACADEMY OF SCIENCES  
WASHINGTON D C SPACE SCIENCE BOARD

• • •

BIBLIOGRAPHY ON SPACE SCIENCES  
(UNITED STATES, 1960).  
AD-613 601

• • •

BIBLIOGRAPHY ON SPACE SCIENCES  
(UNITED STATES, 1961).  
AD-613 602

• • •

BIBLIOGRAPHY ON SPACE SCIENCES  
(UNITED STATES, 1962).  
AD-613 603

• • •

BIBLIOGRAPHY ON SPACE SCIENCES  
(UNITED STATES, 1963).  
AD-613 604

• NATIONAL BUREAU OF STANDARDS  
WASHINGTON D C

• • •

NBS-TN174  
RESEARCH ON CRYSTAL GROWTH AND  
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AD-419 845

• • •

NBS-TN236

RESEARCH ON CRYSTAL GROWTH AND  
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AD-437 308

• NATIONAL BUREAU OF STANDARDS BOULDER  
COLO

• • •

NBS-0808

A BIBLIOGRAPHY OF REFERENCES  
FOR THE THERMOPHYSICAL PROPERTIES  
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AD-467 519

• NATIONAL BUREAU OF STANDARDS BOULDER  
COLO LAB ASTROPHYSICS DIV

• • •

BIBLIOGRAPHY OF LOW ENERGY  
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AD-649 862

• NATIONAL CASH REGISTER CO DAYTON  
OHIO

• • •

11 1F2IV

SIMULATION AND EVALUATION OF  
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TECHNIQUES, VOL. IV, AN INDEXED  
BIBLIOGRAPHY ON SPEECH ANALYSIS,  
SYNTHESIS, AND PROCESSING,  
(RTD-TDR63 4005 V4)

AD-601 421

• NATIONAL INSTITUTES OF HEALTH  
BETHESDA MD

• • •

DESIGN OF LABORATORY  
FACILITIES, A CLASSIFIED LIST OF  
SELECTED REFERENCES, SUPPLEMENT 1,  
1949-1963,

AD-414 066

• NAVAL CIVIL ENGINEERING LAB PORT  
HUENEME CALIF

• • •

NCEL-TN-533

NAVAL ISOTOPE APPLICATIONS: A  
SELECTED BIBLIOGRAPHY,

AD-420 596

• NAVAL ORDNANCE LAB CORONA CALIF

• • •

MAGNETORESISTANCE IN METALS,  
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• • •

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• • •

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AD-655 100

• NAVAL ORDNANCE LAB WHITE OAK MD

• • •

MATHEMATICS DEPT-M-65

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AD-641 176

• • •

NOLTR-64-222

U. S. NAVAL ORDNANCE LABORATORY  
UNCLASSIFIED REPORTS PUBLISHED BY  
THE AEROBALLISTICS AREA,  
AD-614 700

• • •

NOLTR-66-173

THE WATER ENTRY PROBLEM WITH  
BIBLIOGRAPHY,  
AD-641 176

• NAVAL ORDNANCE TEST STATION CHINA  
LAKE CALIF

• • •

NOTS-TP3120

1962, SELECTED OFFICIAL  
PUBLICATIONS, PROFESSIONAL PAPERS  
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AD-427 226

• NAVAL PERSONNEL RESEARCH ACTIVITY SAN  
DIEGO CALIF

• • •

SRM-66-4

A SELECTED ANNOTATED  
BIBLIOGRAPHY ON COST-EFFECTIVENESS  
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AD-468 834

• NAVAL RESEARCH LAB WASHINGTON D C

• • •

NRL-57008

BIBLIOGRAPHY OF UNCLASSIFIED

NRL FORMAL REPORTS NUMBERS 1000 TO 5700.  
AD-402 910

NRL B18-25

A BIBLIOGRAPHY OF CERTAIN OPTICAL PROPERTIES OF LIQUID WATER IN THE INFRARED REGION (1-2000 MICRONS).  
AD-622 225

NRL-B18-28

BIBLIOGRAPHY OF TRITON INDUCED REACTIONS.  
AD-640 270

NRL-BIBLIOGRAPHY NO. 21

A FAR INFRARED BIBLIOGRAPHY.  
AD-407 047

•NAVAL WEAPONS LAB DAHLGREN VA

NWL-1963

SOME RECENT DEVELOPMENTS IN THE THEORY OF VISCOUS FLUID FLOW WITH TECHNOLOGICAL AND GEOPHYSICAL APPLICATIONS.  
AD-614 429

•NAVY UNDERWATER SOUND LAB NEW LONDON CONN

620

UNDERWATER REVERBERATION AS A FACTOR IN ASW ACOUSTICS.  
AD-451 643

•NORTH AMERICAN AVIATION INC DOWNEY CALIF

51063 232

ATTITUDE CONTROL: A BIBLIOGRAPHY.  
AD-403 825

•OHIO STATE UNIV RESEARCH FOUNDATION COLUMBUS DEPT OF AERONAUTICAL AND ASTRONAUTICAL ENGINEERING

DEVELOPMENT OF EXPERIMENTAL TESTING PROGRAMS TO VERIFY THERMAL STRESS ANALYSIS.  
(AFEDL-YR-66-67)  
AD-486 798

•OKLAHOMA UNIV RESEARCH INST NORMAN

ORI-TH-1419-4

THE PSYCHOLOGICAL EFFECTS OF

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AD-608 380

•PENNSYLVANIA STATE UNIV UNIVERSITY PARK

BIBLIOGRAPHY ON COMPRESSION IGNITION ENGINE LOW TEMPERATURE PROBLEMS, INDEX VOLUME.  
AD-402 666

•PENNSYLVANIA STATE UNIV UNIVERSITY PARK COLL OF ENGINEERING AND ARCHITECTURE

ERB 890

BIBLIOGRAPHY ON COMPRESSION IGNITION ENGINE LOW TEMPERATURE PROBLEMS.  
AD-451 012

•POLYTECHNIC INST OF BROOKLYN N Y

686

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•POLYTECHNIC INST OF BROOKLYN N Y MICROWAVE RESEARCH INST

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BIBLIOGRAPHY ON THE ENGINEERING OF HIGH INTENSITY MAGNETIC FIELDS.  
AD-643 212

PIEMRI-822-60

BIBLIOGRAPHY ON THE ENGINEERING OF HIGH INTENSITY MAGNETIC FIELDS.  
AD-643 212

•PREVENTION OF DETERIORATION CENTER NAS-NRC WASHINGTON D C

PDL 42574

BIBLIOGRAPHY ON RADIOACTIVE ISOTOPIES AS TOOLS FOR DETERMINING SMALL CHANGES IN COMPOSITION AND STRUCTURE OF MATERIALS.  
AD-601 297

PDL42969

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S61 038  
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AD-601 306

S63 009  
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•QUARTERMASTER RESEARCH AND  
ENGINEERING COMMAND NATICK MASS

QREC-QMRE27  
BIBLIOGRAPHY OF PUBLICATIONS  
AND TECHNICAL PAPERS FOR 1962,  
AD-413 797

•RAND CORP SANTA MONICA CALIF

P-1087  
SPACE LAW BIBLIOGRAPHY,  
AD-606 382

RM-4508 (ABRIDGED)  
A SELECTED BIBLIOGRAPHY OF RAND  
PUBLICATIONS ON SPACE RESEARCH,  
1960-1964,  
AD-615 025

RM-4848-PR  
ANNOTATED BIBLIOGRAPHY ON  
SYSTEMS COST ANALYSIS,  
AD-627 886

RM-4885-PR

ENERGY TRANSFER IN PARTICLE-  
SURFACE INTERACTIONS IN  
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AD-655 066

•REDSTONE SCIENTIFIC INFORMATION  
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RSIC-195  
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RSIC-266  
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RSIC-328  
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AD-457 110

RSIC-415  
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AD-468 532

RSIC-508-VOL-1  
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AD-640 465

RSIC-508-VOL-2  
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AD-640 689

RSIC-619  
STUDIES OF RANDOM NOISE: AN  
ANNOTATED BIBLIOGRAPHY,  
AD-651 308

•RESEARCH AND TECHNOLOGY DIV BOLLING  
AFB D C

RTD-TDR63 4005 V4  
SIMULATION AND EVALUATION OF  
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TECHNIQUES. VOL. IV, AN INDEXED  
BIBLIOGRAPHY ON SPEECH ANALYSIS,  
SYNTHESIS, AND PROCESSING,  
AD-601 421

•RESEARCH AND TECHNOLOGY DIV AIR FORCE  
SYSTEMS COMMAND WASHINGTON D C

BIBLIOGRAPHY OF TECHNICAL  
PRESENTATIONS AND PUBLICATIONS,  
JULY 1964-JULY 1965.



AD-626 481

•SOUTHWEST RESEARCH INST SAN ANTONIO  
TEX

• • •

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• • •

SSD-TDR63 375  
BIBLIOGRAPHY ON THE USE OF  
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AD-433 614

•SPECIAL OPERATIONS RESEARCH OFFICE  
AMERICAN UNIV WASHINGTON D C

• • •

ANNOTATED BIBLIOGRAPHY OF SORO  
PUBLICATIONS,  
AD-633 520

•SPECIAL OPERATIONS RESEARCH OFFICE  
WASHINGTON D C COUNTERINSURGENCY  
INFORMATION ANALYSIS CENTER

• • •

BIBLIOGRAPHY ON  
COUNTERINSURGENCY, UNCONVENTIONAL  
WARFARE, AND PSYCHOLOGICAL  
OPERATIONS: SUPPLEMENT NO. 8,  
AD-630 774

•SPRINGFIELD ARMORY MASS

• • •

SA-TR20 9102  
BIBLIOGRAPHY OF SPRINGFIELD  
ARMORY TECHNICAL REPORTS AND NOTES  
ON MATERIEL - 1 JANUARY 1961 31  
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AD-406 203

• • •

SA-TR20 9103  
BIBLIOGRAPHY OF SPRINGFIELD  
ARMORY TECHNICAL REPORTS AND NOTES  
ON MATERIEL (1 JAN-31 DEC 63),  
AD-601 024

•STANFORD RESEARCH INST MENLO PARK  
CALIF

• • •

DEFENSE ANALYSIS CENTER  
BIBLIOGRAPHY AND ABSTRACTS,  
AD-418

• • •

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AD-651 376

•STANFORD UNIV CALIF INST FOR PLASMA  
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• • •

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REPORTS, PAPERS AND CONFERENCE  
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•SYSTEM DEVELOPMENT CORP SANTA MONICA  
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• • •

TM-2025  
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• • •

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BIBLIOGRAPHY OF TECHNICAL  
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MARCH 1961-JUNE 1963,  
AD-408 608

•THIokol CHEMICAL CORP ELKTON MD

• • •

E47-62  
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• • •

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• • •

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• • •

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• • •

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• • •  
STL/GM-59-5111-12  
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AD-607 628

• • •  
STL/GM-TN-0165-00172  
A BIBLIOGRAPHY FOR THE  
RESTRICTED THREEBODY PROBLEM,  
AD-607 633

• • •  
STL/TR-59-0000-09931  
LOW PRESSURE ELECTRICAL  
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AD-605 984

## •TRW SYSTEMS REDONDO BEACH CALIF

• • •  
9990-7235-TO-000  
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(TT-66-61250)  
AD-632 761

• • •  
99900-6045-TO00  
MANNED EXPLORATION,  
COLONIZATION AND EXPLOITATION OF  
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BIBLIOGRAPHY,  
AD-641 973

## •UNITED STATES RUBBER CO WAYNE N J

• • •  
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## •UNIVERSITY OF SOUTHERN CALIFORNIA LOS ANGELES DEPT OF ELECTRICAL ENGINEERING

• • •  
USCEE-168  
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(AFOSR-66-0917)  
AD-634 013

## •UPPSALA UNIV (SWEDEN)

• • •  
QUANTUM THEORY OF MANY-PARTICLE  
SYSTEMS,  
(ARL-65 25)  
AD-610 079

## •VIRGINIA UNIV CHARLOTTESVILLE

• • •  
BIBLIOGRAPHY OF SQUID  
PUBLICATIONS JUNE 1961 SEPTEMBER  
1963.

AD-421 903

• • •  
UVA-6-R  
BIBLIOGRAPHY OF SQUID  
PUBLICATIONS, OCTOBER 1963-  
SEPTEMBER 1964,  
AD-609 240

## •WASHINGTON UNIV SEATTLE

• • •  
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## •YALE UNIV NEW HAVEN CONN

• • •  
(LISTS OF PROGRESS REPORTS,  
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AD-607 420

• • •  
FINAL REPORT, PARTICLE  
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PUBLICATIONS,  
AD-608 695

## •YERKES OBSERVATORY WILLIAMS BAY WIS

• • •  
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### EXHAUST GASES

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### ORDNANCE

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### ROCKET RESEARCH

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AD-436 090

### •AERODYNAMICS

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### •AEROSOLS

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AEROSOLS, BIOLOGICAL PATHOGENS,  
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AD-618 467

**AIR FORCE RESEARCH  
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SECOND QUARTERLY BIBLIOGRAPHY OF  
REPORTS PUBLISHED UNDER CONTRACT  
AF 04(695)-169.  
AD-412 658

**BIBLIOGRAPHIES**

AIR FORCE LABORATORIES AND  
SYSTEMS ENGINEERING GROUP OF THE  
RESEARCH AND TECHNOLOGY DIV. OF THE  
AF SYSTEMS COMMAND: BIBLIOGRAPHY  
OF PUBLICATIONS.

AD-626 481

AIR FORCE SCIENTIFIC RESEARCH  
BIBLIOGRAPHY, VOLUME III, 1959.  
AD-626 600

**AIR FORCE SYSTEMS COMMAND  
AIR FORCE RESEARCH**

AIR FORCE LABORATORIES AND  
SYSTEMS ENGINEERING GROUP OF THE  
RESEARCH AND TECHNOLOGY DIV. OF THE  
AF SYSTEMS COMMAND: BIBLIOGRAPHY  
OF PUBLICATIONS.

AD-626 481

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SOCIAL SCIENCE RESEARCH, FOREIGN  
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BIBLIOGRAPHY OF PUBLICATIONS AND  
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AD-413 797

**ARMY EQUIPMENT  
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ABSTRACT BIBLIOGRAPHY ON  
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AD-602 772

**ARMY RESEARCH  
BIBLIOGRAPHIES**

BIBLIOGRAPHY OF PUBLICATIONS AND  
TECHNICAL PAPERS FOR 1963.  
AD-630 118

BIBLIOGRAPHY OF PUBLICATIONS AND  
TECHNICAL PAPERS FOR 1964.  
AD-630 132

**REPORTS**

U. S. ARMY ELECTRONICS  
LABORATORIES' PUBLICATIONS,  
PRESENTATIONS AND PATENTS FOR 1964.  
AD-615 000

ARMY NATICK LABORATORIES:  
BIBLIOGRAPHY OF PUBLICATIONS AND  
PAPERS ISSUED JAN 1965-JUNE 1966.  
AD-640 252

**ASTRONAUTICS**

**BIBLIOGRAPHIES**

BIBLIOGRAPHY ON SPACE SCIENCES  
(UNITED STATES, 1960).  
AD-613 601

BIBLIOGRAPHY ON SPACE SCIENCES  
(UNITED STATES, 1961).  
AD-613 602

BIBLIOGRAPHY ON SPACE SCIENCES  
(UNITED STATES, 1962).  
AD-613 603

BIBLIOGRAPHY ON SPACE SCIENCES  
(UNITED STATES, 1963).  
AD-613 604

BIBLIOGRAPHY OF RAND  
PUBLICATIONS ON SPACE RESEARCH,  
1960-1964.  
AD-615 025

**ASTRONOMY**

A COMPREHENSIVE BIBLIOGRAPHY OF  
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## •BIBLIOGRAPHIES

A BIBLIOGRAPHY OF UNCLASSIFIED  
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5700.

AD-402 910

ANNOTATED BIBLIOGRAPHY ON  
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**ASTRONAUTICS**  
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**BIOCHEMISTRY**  
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**GUNS**

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AD-429 301

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**MASERS**

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BIBLIOGRAPHY OF RADIATION  
EFFECTS INFORMATION CENTER, MONTHLY  
ACCESSION LIST 71, ABSTRACT NO.  
21404-TO-21455.

AD-429 407

MATERIALS RESEARCH.  
AD-622 090

**MECHANICAL WAVES**

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**NATIONAL DEFENSE**

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AD-418 084  
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AD-621 644

**NEUTRON FLUX**

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**NOISE**

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AD-651 308

**NON-DESTRUCTIVE TESTING**

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AD-612 043

REPORT GUIDE TO LIQUID PENETRANT  
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REPORT GUIDE TO LITERATURE IN  
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REPORT GUIDE TO AUTORADIOGRAPHIC  
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**NUCLEAR EXPLOSIONS**

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AD-416 376



**PSYCHOLOGICAL WARFARE**

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AD-456 200  
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AD-467 061  
PSYCHOLOGICAL OPERATIONS  
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AD-467 062  
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AD-473 882

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AD-417 681  
MONTHLY ACCESSION LIST.  
ABSTRACT NO. 24527 TO 24600. PART  
1.

AD-603 689  
MONTHLY ACCESSION LIST.  
ABSTRACT NO. 1727166 TO 27222. PART  
1.

AD-614 985  
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AD-615 339

**RADIATION EFFECTS**

BIBLIOGRAPHY OF RADIATION  
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21404-TO-21455.

AD-429 407  
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**RADIOGRAPHY**

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AD-612 042

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AD-600 728

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AD-602 241

UNCLASSIFIED PUBLICATIONS OF  
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AD-607 539

GUIDE TO THE LITERATURE OF  
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AD-608 053

CATALOG OF PUBLICATIONS;  
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AD-609 226

UNCLASSIFIED PUBLICATIONS OF  
LINCOLN LABORATORY.

AD-618 391

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AD-466 884

SEARCH THEORY

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AD-636 551

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AD-655 100

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AD-447 717

SOUND TRANSMISSION

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AD-465 678

SPACE FLIGHT

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AD-632 761

SPACE NAVIGATION

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AD-462 686

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SUPERCONDUCTORS

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SYSTEMS ENGINEERING

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SDC DOCUMENTS APPLICABLE TO  
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AD-626 615

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AD-461 201

UNCONVENTIONAL WARFARE BIBLIOGRAPHY SUPPLEMENT NO. 6.

AD-467 544

UNCONVENTIONAL WARFARE BIBLIOGRAPHY, SUPPLEMENT NO. 7.

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UNCONVENTIONAL WARFARE: BIBLIOGRAPHY ON FUNDAMENTALS AND HISTORICAL MODELS OF INSURGENCIES.

AD-604 572

# USSR

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SCIENTIFIC AND TECHNICAL LITERATURE: SOVIET LITERATURE FOR THE PERIOD BETWEEN 29 DEC 63 AND 27 MAR 64 IS CITED FOR THE FOLLOWING FIELDS: MISSILE DATA, UTILITIES, TRANSPORT, LAUNCHING SITES, NATURAL ENVIRONMENT, PACKAGING AND STORAGE.

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# VERY LOW FREQUENCY

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AD-412 971

SHOCK AND VIBRATION. DATA ANALYSIS AND APPLICATIONS. A DDC REPORT BIBLIOGRAPHY.\*

AD-421 845

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AD-431 321

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# WARFARE

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AD-608 380

# WATER ENTRY

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## ATTITUDE CONTROL SYSTEMS

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•BIOLOGICAL CONTAMINATION  
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AD-618 672

•BIOLOGICAL LABORATORIES  
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•BIOLOGICAL WARFARE  
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AEROSPACE INFORMATION DIVISION AND  
THE LIBRARY OF CONGRESS AND COVERS  
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•BORON  
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NUCLEI (VII). A-5-10.  
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•BOUNDARY LAYER TRANSITION  
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•CHEMICAL COMPOUNDS  
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AD-618 467

•CHINA  
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AD-634 139

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AD-435 541

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AD-610 260

•COMBUSTION CHAMBER GASES  
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COMBUSTION AND EXHAUST PRODUCTS.  
A DDC REPORT BIBLIOGRAPHY.\*  
AD-423 550

•COMBUSTION PRODUCTS  
BIBLIOGRAPHIES

COMBUSTION AND EXHAUST PRODUCTS.  
A DDC REPORT BIBLIOGRAPHY.\*  
AD-423 550

•COMMUNICATION SATELLITES (ACTIVE)  
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COMMUNICATION SATELLITE PROJECT  
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AD-609 245

•COMPLEX COMPOUNDS  
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•CONDENSATION TRAILS  
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COMBUSTION AND EXHAUST PRODUCTS.  
A DDC REPORT BIBLIOGRAPHY.\*  
AD-423 550

•CONTINUUM MECHANICS  
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COMPILATION OF REPRINTS AND  
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AD-416 376

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AD-429 227

•COST EFFECTIVENESS  
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ANNOTATED BIBLIOGRAPHY ON  
SYSTEMS COST ANALYSIS.  
AD-627 886

•COSTS  
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A SELECTED ANNOTATED  
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AD-468 834

•COUNTERINSURGENCY  
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COUNTERINSURGENCY BIBLIOGRAPHY  
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AD-433 158  
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AD-442 272  
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AD-458 765  
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SUPPLEMENT NO. 7.  
AD-468 851  
COUNTERINSURGENCY BIBLIOGRAPHY  
SUPPLEMENT NO. 4.  
AD-607 767

BIBLIOGRAPHY ON  
COUNTERINSURGENCY, UNCONVENTIONAL  
WARFARE, AND PSYCHOLOGICAL  
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AD-630 774  
SOCIAL SCIENCE RESEARCH, FOREIGN  
AREA STUDIES, AND RAPID RESPONSE  
INFORMATION AND ANALYSIS.  
AD-633 520

BIBLIOGRAPHY ON  
COUNTERINSURGENCY, UNCONVENTIONAL  
WARFARE, AND PSYCHOLOGICAL  
OPERATIONS. SUPPLEMENT NO. 9.\*

AD-642 321  
CINFAC BIBLIOGRAPHIC REVIEW,  
SUPPLEMENT NO. 10, AUGUST, 1966, \*

AD-642 362  
CINFAC BIBLIOGRAPHIC REVIEW:  
SUPPLEMENT NO. 11, \*

AD-647 887  
CINFAC BIBLIOGRAPHIC REVIEW  
SUPPLEMENT NO. 12, \*

AD-654 795  
CINFAC BIBLIOGRAPHIC REVIEW:  
SUPPLEMENT NO. 13, \*  
AD-656 465

•CRYOGENICS

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AD-612 962

•CRYSTAL GROWTH

BIBLIOGRAPHIES

ANNOTATED BIBLIOGRAPHY EPITAXIAL  
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ANNOTATED BIBLIOGRAPHY OF  
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AD-419 845

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•CRYSTAL LATTICE DEFECTS

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NATIONAL BUREAU OF STANDARDS DURING  
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AD-419 845

•CRYSTAL LATTICES

BIBLIOGRAPHIES

A BIBLIOGRAPHY OF RESEARCH ON  
LATTICE DYNAMICS BY SOVIET SOURCES  
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AD-412 953

•CRYSTAL STRUCTURE

BIBLIOGRAPHIES

BIBLIOGRAPHY OF RUSSIAN  
RESEARCH: STRUCTURE OF ORGANIC  
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AD-625 075  
BIBLIOGRAPHY OF RUSSIAN  
RESEARCH: STRUCTURE OF ORGANIC  
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AD-626 597

•CRYSTALS

HIGH-PRESSURE RESEARCH

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•CUTTING TOOLS

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•DAMPING

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•DATA PROCESSING SYSTEMS

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•DECAY SCHEMES

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AD-601 884

ON THE BIOLOGICAL EFFECTS OF  
ELECTROMAGNETIC FIELDS,  
AD-460 705

•DEPARTMENT OF DEFENSE

DOCUMENTATION

STUDY OF NEEDS OF DEPARTMENT OF  
DEFENSE SCIENTISTS AND ENGINEERS  
FOR SCIENTIFIC AND TECHNICAL  
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AD-615 501

•DETONATIONS

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AD-625 326

•DIESEL ENGINES

BIBLIOGRAPHIES

BIBLIOGRAPHY ON COMPRESSION  
IGNITION ENGINE LOW-TEMPERATURE  
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AD-451 012

•DIRECTION FINDING

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FINDING 1890-1965, \*

AD-800 110

•DOPPLER EFFECT

BIBLIOGRAPHIES

RELATIVISTIC EFFECT ON THE  
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ANNOTATED BIBLIOGRAPHY, \*

AD-641 504

•ELECTRIC DISCHARGES

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AD-605 984

•ELECTROLUMINESCENCE

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AD-407 521

•ELECTROMAGNETIC FIELDS

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•ELECTROMAGNETIC PULSES

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AD-403 137

•ELECTROMAGNETIC WAVES

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IN CONDUCTING MEDIA: AN ANNOTATED  
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AD-644 689

•ELECTRON BOMBARDMENT

BIBLIOGRAPHIES

BIBLIOGRAPHY OF LOW ENERGY  
ELECTRON COLLISION CROSS SECTION  
DATA, \*

AD-649 862

•ELECTRON MICROSCOPY

FRACTOGRAPHY

ELECTRON FRACTOGRAPHY HANDBOOK,

AD-612 912

•ELECTRONIC EQUIPMENT

GUIDED MISSILE COMPONENTS

BIBLIOGRAPHY ON COMBINED  
ENVIRONMENTAL TESTING, RELATING  
CHIEFLY TO GUIDED MISSILES AND  
THEIR ELECTRONIC EQUIPMENT.

AD-462 690

RADIOFREQUENCY INTERFERENCE

A SECOND RADIO FREQUENCY  
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ABSTRACTS. ELECTRONIC EQUIPMENT  
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AD-430 549

•ELECTRONICS

REPORTS

U. S. ARMY ELECTRONICS  
LABORATORIES' PUBLICATIONS,  
PRESENTATIONS AND PATENTS FOR 1964,  
AD-615 000

•ELECTRONS

PHYSICAL PROPERTIES

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AD-630 602

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BIBLIOGRAPHY OF LOW ENERGY  
ELECTRON COLLISION CROSS SECTION  
DATA,•

AD-649 862

•ELECTROPHOTOGRAPHY

USSR

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ELECTROSTATIC PHOTOGRAPHY,

AD-622 940

•ELEMENTARY PARTICLES

QUANTUM MECHANICS

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AD-610 079

•EMATERIALS

LITERATURE SURVEY ON THE  
PURIFICATION OF ELECTRONIC  
MATERIALS.

AD-412 438

•ENGINEERING

BIBLIOGRAPHIES

GUIDE TO THE LITERATURE OF  
ENGINEERING, MATHEMATICS, AND THE  
PHYSICAL SCIENCES.

AD-608 033

•ENGINEERING PERSONNEL

INFORMATION RETRIEVAL

STUDY OF NEEDS OF DEPARTMENT OF  
DEFENSE SCIENTISTS AND ENGINEERS  
FOR SCIENTIFIC AND TECHNICAL  
INFORMATION, VOL. 1.

AD-615 501

•ENGINES + MOTORS

SCIENTIFIC RESEARCH

'ENGINE INSTITUTE' OF THE USSR;  
HISTORY AND ORGANIZATION,  
PERSONNEL, AND BIBLIOGRAPHY.

AD-622 245

•ENVIRONMENTAL TESTS

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BIBLIOGRAPHY ON COMBINED  
ENVIRONMENTAL TESTING, RELATING  
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AD-462 690

STANDARDIZATION

SHOCK AND VIBRATION, DATA  
ANALYSIS AND APPLICATIONS, A DDC  
REPORT BIBLIOGRAPHY,•

AD-421 845

•EPITAXIAL GROWTH

BIBLIOGRAPHIES

ANNOTATED BIBLIOGRAPHY EPITAXIAL  
GROWTH: 169 REFERENCES; INCLUDED  
ARE SUCH FACTORS AS CRYSTAL GROWTH  
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•EXHAUST GASES

BIBLIOGRAPHIES

COMBUSTION AND EXHAUST PRODUCTS.  
A DDC REPORT BIBLIOGRAPHY,•

AD-423 550

•EXPLODING WIRES

ANNOTATED BIBLIOGRAPHY OF  
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AD-406 244

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BIBLIOGRAPHY OF THE ELECTRICALLY  
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•EXPLOSION EFFECTS

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•EXPLOSIVE MATERIALS

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SCIENTIFIC AND TECHNICAL  
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THE COMBUSTION MECHANISM, AND  
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AD-460 101

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AD-622 193

**EXTRATERRESTRIAL BASES**

**BIBLIOGRAPHIES**

BIBLIOGRAPHY ON EXTRATERRESTRIAL  
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AD-410 518

**LIFE SUPPORT**

BIBLIOGRAPHY OF BIOREGENERATING  
SYSTEMS FOR EXTRATERRESTRIAL  
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AD-430 814

**FATIGUE (MECHANICS)**

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AD-429 227

**FATIGUE (MECHANICS)**

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AD-652 881

**FIELD THEORY**

**NON-LINEAR SYSTEMS**

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AD-422 890

**FILMS**

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AD-655 066

**FLUID FLOW**

**BIBLIOGRAPHIES**

INDEX TO THE TWO-PHASE GAS-  
LIQUID FLOW LITERATURE, PART III.

AD-607 180

**MATHEMATICAL ANALYSIS**

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AD-614 429

**FLUID MECHANICS**

BIBLIOGRAPHY OF PROFESSIONAL  
PAPERS CLEARED FOR POSSIBLE  
PUBLICATION AND/OR PRESENTATION  
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AD-600 728

**REPORTS**

COMPILATION OF REPRINTS AND  
PREPRINTS ON RHEOLOGY,  
THERMODYNAMICS, CONTINUUM  
MECHANICS, AND THE PHYSICAL  
CHEMISTRY OF POLYMERS; FINAL  
REPORT.

AD-416 376

**FLUORESCENCE**

**BIBLIOGRAPHIES**

LUMINESCENCE OF COMPLEX  
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SOVIET OPENSOURCE MATERIAL,  
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AD-427 157

**FLUOROSCOPES**

**NONDESTRUCTIVE TESTING**

REPORT GUIDE TO LITERATURE IN  
THE FIELDS OF FLUOROSCOPY AND  
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AD-612 045

**FOOD**

**TESTS**

ABSTRACT BIBLIOGRAPHY ON  
ENGINEERING TESTS OF ARMY  
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AD-602 772

**FRACTOGRAPHY**

**HANDBOOKS**

ELECTRON FRACTOGRAPHY HANDBOOK.

AD-612 912

**FRACTURE (MECHANICS)**

**BIBLIOGRAPHIES**

CRACK PROPAGATION: SELECTED  
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AD-6 2 541

•FUEL CONTAMINATION

BIBLIOGRAPHIES

COMPREHENSIVE BIBLIOGRAPHY FOR MECHANISM OF MICROBIOLOGICAL CONTAMINATION OF JET FUEL AND DEVELOPMENT OF TECHNIQUES FOR DETECTION OF MICROBIOLOGICAL CONTAMINATION. APPENDIX C, AD-614 133

•FUELS

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•GAMMA-RAY SPECTROSCOPY

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•GAS DISCHARGES

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BIBLIOGRAPHY ON MOVING STRIATIONS IN LOW PRESSURE GASEOUS DISCHARGES. AD-619 027

HELIUM GROUP GASES

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•GAS FLOW

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•GAS IONIZATION

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•GASES

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•GEOPHYSICS

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NUCLEAR EXPLOSIONS

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•GROUND EFFECT

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•GUERRILLA WARFARE

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JUNGLE WARFARE BIBLIOGRAPHY. AD-431 929

•GUIDED MISSILE COMPONENTS

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•GUIDED MISSILE TRACKING SYSTEMS

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REVIEW OF RUSSIAN, SOVIET BLOC AND CHINESE COMMUNIST RESEARCH ON TRACKING OF MISSILES AND SPACE VEHICLES. AD-647 388

•GUIDED MISSILES

BIBLIOGRAPHIES

LIST OF TECHNICAL DOCUMENTS PUBLISHED DURING THE YEARS 1958

THROUGH 1962.  
AD-419 588  
MISSILES AND VENTURES INTO SPACE  
PROGRESS REPORT 1962-1963.\*  
AD-426 021

ENVIRONMENTAL TESTS  
BIBLIOGRAPHY ON COMBINED  
ENVIRONMENTAL TESTING, RELATING  
CHIEFLY TO GUIDED MISSILES AND  
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AD-462 690

•GUIDED MISSILES (SURFACE-TO-SURFACE)  
BIBLIOGRAPHIES  
BIBLIOGRAPHY REPORT, WEAPON  
SYSTEM 133A.\*  
AD-450 187

•GUNS  
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AD-601 024

•HALL EFFECT  
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AD-635 197

•HEALTH PHYSICS INSTRUMENTATION  
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AD-623 557

•HEAT OF ACTIVATION  
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•HEAT TRANSFER  
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AD-609 136

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AD-655 066

•HELIUM  
NUCLEAR ENERGY LEVELS  
REPRINT: ENERGY LEVELS OF LIGHT  
NUCLEI (VII), A=5-10.  
AD-645 393

•HELIUM GROUP GASES  
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AD-618 503

•HIGH-PRESSURE RESEARCH  
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ULTRAHIGH PRESSURE STUDIES AND  
CRYSTAL GROWTH TECHNIQUES;  
ANALYTICAL SURVEY.  
AD-635 495

•HYDROGEN  
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REPRINT: ENERGY LEVELS OF LIGHT  
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BIBLIOGRAPHY OF BIOREGENERATING  
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AD-430 814

## •LIFT

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## •LIFTING REENTRY VEHICLES

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## •LIGHT

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AD-462 680

## •LIQUIDS

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## •LITHIUM

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REPRINT: ENERGY LEVELS OF LIGHT  
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## •LUBRICANTS

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AD-434 712

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LUMINESCENCE OF COMPLEX  
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AD-456 759

SOLID STATE PHYSICS

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BIBLIOGRAPHY, 1958-1962.

AD-612 962

•LUNAR BASES

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FUTURE LUNAR MISSIONS. REVIEW  
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LITERATURE.\*

AD-431 728

•LUNAR CRAFT

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FUTURE LUNAR MISSIONS. REVIEW  
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AD-431 728

•LUNAR ENVIRONMENT

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MANNED EXPLORATION, COLONIZATION  
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AD-611 973

•LUNAR TRAJECTORIES

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FUTURE LUNAR MISSIONS. REVIEW  
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AD-431 728

•MAGNETIC FIELDS

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AD-451 426

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AD-643 212

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AD-417 336

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AD-451 426

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AD-627 901

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•MAPPING

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AD-609 226

•MASERS

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AD-421 701

•MATERIALS

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AD-406 070

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AD-640 689

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AD-640 465

NON-DESTRUCTIVE TESTING

REPORT GUIDE TO GAMMA  
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AD-612 042

REPORT GUIDE TO THERMAL TESTING  
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AD-612 043

- REPORT GUIDE TO LIQUID PENETRANT LITERATURE,  
AD-612 044
- REPORT GUIDE TO LITERATURE IN THE FIELDS OF FLUOROSCOPY AND REMOTE VIEWING TECHNIQUES,  
AD-612 045
- REPORT GUIDE TO AUTORADIOGRAPHIC AND MICRORADIOGRAPHIC LITERATURE,  
AD-612 047
- RADIATION DAMAGE  
MONTHLY ACCESSION LIST,  
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AD-614 985
  - REPORTS  
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AD-622 090
  - MATHEMATICAL MODELS  
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AD-641 176
  - MATHEMATICS  
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AD-410 397
  - BIBLIOGRAPHIES  
GUIDE TO THE LITERATURE OF ENGINEERING, MATHEMATICS, AND THE PHYSICAL SCIENCES.  
AD-608 053
  - MECHANICAL WAVES  
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AD-423 296
  - MEDICAL LABORATORIES  
DESIGN  
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AD-414 066
  - MEDICAL RESEARCH  
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AD-618 717
  - METALLURGY
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AD-412 411
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MAGNETORESISTANCE IN METALS, SEMICONDUCTORS, AND ALLOYS: A BIBLIOGRAPHY ON THEORETICAL AND EXPERIMENTAL ASPECTS,  
AD-603 359
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AD-628 200
  - STORMS  
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AD-430 520
  - MICROBIOLOGY  
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AD-618 467
  - MICROORGANISMS  
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AD-625 846
  - MILITARY STRATEGY  
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AD-634 139
  - MILLIMETER WAVES  
SCIENTIFIC RESEARCH  
MILLIMETER WAVE RESEARCH: PAST, PRESENT, AND FUTURE.  
AD-620 727
  - MOLECULAR STRUCTURE  
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BIBLIOGRAPHY ON MOLECULAR AND  
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AD-601 690

•MOLECULES

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AD-427 135

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BIBLIOGRAPHY ON EXTRATERRESTRIAL  
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AD-410 518

•NATIONAL DEFENSE

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DEFENSE ANALYSIS CENTER  
BIBLIOGRAPHY AND ABSTRACTS.

AD-418 084

UNITED STATES NATIONAL SECURITY.

AD-621 644

•NAVAL RESEARCH

RADIOACTIVE ISOTOPES

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AD-420 596

REPORTS

U. S. NAVAL ORDNANCE LABORATORY  
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AD-614 700

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AD-651 308

•NONDESTRUCTIVE TESTING

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REPORT GUIDE TO GAMMA  
RADIOGRAPHIC LITERATURE.

AD-612 042

•NON-DESTRUCTIVE TESTING

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NON-DESTRUCTIVE TESTING. A DDC  
REPORT BIBLIOGRAPHY.\*

AD-421 564

REPORT GUIDE TO THERMAL TESTING  
LITERATURE.

AD-612 043

REPORT GUIDE TO LIQUID PENETRANT  
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AD-612 044

REPORT GUIDE TO LITERATURE IN  
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AD-612 045

REPORT GUIDE TO AUTORADIOGRAPHIC  
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AD-612 047

•NUCLEAR ENERGY LEVELS

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REPRINT: ENERGY LEVELS OF LIGHT  
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AD-645 393

•NUCLEAR EXPLOSIONS

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GEOPHYSICAL EFFECTS OF HIGH-  
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AD-607 962

UNDERGROUND EXPLOSIONS

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AD-626 405

•NUCLEAR PHYSICS

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BIBLIOGRAPHY ON NUCLEAR PHYSICS,  
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AD-427 795

FINAL REPORT. PARTICLE PHYSICS.  
BIBLIOGRAPHY OF PUBLICATIONS.

AD-608 695

SYNCHROCYCLOTRONS

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AD-618 067



•NUCLEAR REACTIONS

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AD-640 270

•NUCLEAR SCATTERING

IONIZATION

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• AD-622 232

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AD-601 884

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AD-614 429

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AD-607 633

•OPERATIONS RESEARCH

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AD-627 886

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AD-446 444

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OPTICAL IMAGE CONVERTERS:

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AD-600 095

ANNOTATED BIBLIOGRAPHY ON

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AD-601 306

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AD-624 439

•OPTICS

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AD-634 013

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AD-468 532

•ORDNANCE

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AD-625 075

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AD-626 597

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AD-614 429

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AD-461 871

•PHYSICAL PROPERTIES  
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A BIBLIOGRAPHY OF REFERENCES FOR THE THERMOPHYSICAL PROPERTIES OF HELIUM-4, HYDROGEN, DEUTERIUM, HYDROGEN DEUTERIDE, NEON, ARGON, NITROGEN, OXYGEN, CARBON DIOXIDE, METHANE, ETHANE, KRYPTON, AND REFRIGERANTS 13, 14, AND 23.

AD-467 519

•PHYSICS  
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GUIDE TO THE LITERATURE OF ENGINEERING, MATHEMATICS, AND THE PHYSICAL SCIENCES.

AD-608 053

•PHYSICS LABORATORIES  
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UNCLASSIFIED PUBLICATIONS OF LINCOLN LABORATORY.

AD-607 539

UNCLASSIFIED PUBLICATIONS OF LINCOLN LABORATORY.

AD-618 391

•PLANETS  
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BIBLIOGRAPHY ON EXTRATERRESTRIAL RESEARCH.

AD-410 518

•PLASMA ENGINES  
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AD-652 406

•PLASMA JETS  
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ANNOTATED BIBLIOGRAPHY OF PLASMA JET WELDING, COATING AND CUTTING BETWEEN 1960 TO 1962.

AD-419 491

•PLASMA MEDIUM  
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BIBLIOGRAPHY ON MOVING STRIATIONS IN LOW PRESSURE GASEOUS DISCHARGES.

AD-619 027

MAGNETIC FIELDS

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AD-451 426

•PLASMA PHYSICS

BIBLIOGRAPHIES

ANNOTATED BIBLIOGRAPHY ON PLASMA SPECTROSCOPY RESEARCH IN THE SOVIET UNION.

AD-414 327

BIBLIOGRAPHIES

THEORETICAL PLASMA PHYSICS AND DYNAMICS, AN ANNOTATED BIBLIOGRAPHY.

AD-456 765

(LISTS OF PROGRESS REPORTS, PUBLICATIONS, AND MEN WHO RECEIVED PH.D. DEGREES)

AD-607 420

PLASMA PHYSICS: BIBLIOGRAPHY OF REPORTS, PAPERS AND CONFERENCE PRESENTATIONS FROM STANFORD UNIVERSITY.

AD-633 101

•POLITICAL SCIENCE  
CHINA

COMMUNIST CHINA: A STRATEGIC SURVEY. A BIBLIOGRAPHY.

AD-634 139

•POLYMERS  
PHYSICAL CHEMISTRY

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AD-416 376

•PROCUREMENT  
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AD-614 269

•PSYCHOLOGICAL WARFARE  
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PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY, SUPPLEMENT NO. 3.

AD-446 444

BIBLIOGRAPHY OF HISTORICAL AND FUNDAMENTAL ELEMENTS OF PSYCHOLOGICAL OPERATIONS.

AD-456 200

PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY.

AD-467 061

PSYCHOLOGICAL OPERATIONS BIBLIOGRAPHY.

AD-467 062

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AD-473 882

BIBLIOGRAPHY ON  
COUNTERINSURGENCY, UNCONVENTIONAL  
WARFARE, AND PSYCHOLOGICAL  
OPERATIONS: SUPPLEMENT NO. 8, \*

AD-630 774

BIBLIOGRAPHY ON  
COUNTERINSURGENCY, UNCONVENTIONAL  
WARFARE, AND PSYCHOLOGICAL  
OPERATIONS, SUPPLEMENT NO. 9, \*

AD-642 321

CINFAC BIBLIOGRAPHIC REVIEW,  
SUPPLEMENT NO. 10, AUGUST, 1966, \*

AD-642 362

CINFAC BIBLIOGRAPHIC REVIEW:  
SUPPLEMENT NO. 11, \*

AD-647 887

CINFAC BIBLIOGRAPHIC REVIEW  
SUPPLEMENT NO. 12, \*

AD-654 795

CINFAC BIBLIOGRAPHIC REVIEW:  
SUPPLEMENT NO. 13, \*

AD-656 465

• PURIFICATION  
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AD-412 458

• QUANTUM MECHANICS

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AD-610 079

• RADAR SIGNALS

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AD-628 200

• RADAR TRACKING

• SATELLITES (ARTIFICIAL)

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AD-468 532

• RADIATION DAMAGE

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AD-466 797

BIBLIOGRAPHIES

ABSTRACTS OF ACCESSIONS DURING  
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AD-417 681

THE FUNDAMENTAL EFFECTS OF  
RADIATION AND 'HOT ATOMS' ON SIMPLE  
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BIBLIOGRAPHY, \*

AD-443 451

SELECTED BIBLIOGRAPHY OF PULSED  
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•SEMICONDUCTING FILMS

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•SPACE SURVEILLANCE SYSTEMS  
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SUPPLEMENT NO. 10, AUGUST, 1966.

AD-642 362

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AD-647 887

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• • •

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• • •

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• • •

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• • •

BIBLIOGRAPHY ON COUNTERINSURGENCY,  
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• • •

CINFAC BIBLIOGRAPHIC REVIEW,  
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• • •

CINFAC BIBLIOGRAPHIC REVIEW:  
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• • •

CINFAC BIBLIOGRAPHIC REVIEW  
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• • •

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• • •

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• • •

CINFAC BIBLIOGRAPHIC REVIEW,  
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• • •

CINFAC BIBLIOGRAPHIC REVIEW:  
SUPPLEMENT NO. 11,  
AD-647 887

• • •

CINFAC BIBLIOGRAPHIC REVIEW:  
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• • •

COMPREHENSIVE BIBLIOGRAPHY FOR  
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• • •

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• • •

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## •BRYCE, BARBARA ANN

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• • •

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• • •

CINFAC BIBLIOGRAPHIC REVIEW;  
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SUPPLEMENT NO. 12,

AD-654 795

• • •

CINFAC BIBLIOGRAPHIC REVIEW:

SUPPLEMENT NO. 13,

AD-656 465

•DANN, ARON S.

• • •

AIR FORCE SCIENTIFIC RESEARCH  
BIBLIOGRAPHY, VOLUME III, 1959,

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•DAVIS, P. W.

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• • •  
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•GLASER, A. R.

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•GOLDMAN, SYLVIA

• • •  
GUIDE TO THE LITERATURE OF

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•GOLDMANN, COMP. BY JACK B.

• • •  
SUPERCONDUCTIVITY, 1961-1962: AN  
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1,  
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•GOLDMANN, JACK B.

• • •  
SUPERCONDUCTIVITY JANUARY-JUNE  
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• • •  
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• • •  
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•GOLDSTEIN, HERBERT

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• • •  
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• • •  
PSYCHOLOGICAL OPERATIONS  
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• • •  
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• • •  
BIBLIOGRAPHY ON COUNTERINSURGENCY,  
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• • •  
BIBLIOGRAPHY ON COUNTERINSURGENCY,  
UNCONVENTIONAL WARFARE, AND  
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SUPPLEMENT NO. 9,  
AD-642 321

• • •  
CINFAC BIBLIOGRAPHIC REVIEW,  
SUPPLEMENT NO. 10, AUGUST, 1966,  
AD-642 362

•GOSIER, DENNIS M.

• • •  
CINFAC BIBLIOGRAPHIC REVIEW,  
SUPPLEMENT NO. 11,  
AD-647 887

•GOUSE, S. W., JR

• • •  
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• • •  
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•GROS, COMP. BY CHARLES G

• • •  
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AD-412 971

•HALL, ELIZABETH M.

• • •  
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BIBLIOGRAPHY OF EXTRATERRESTRIAL  
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• • •  
SHOCK AND VIBRATION, DATA ANALYSIS  
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•HIBBEN, STUART

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•HOOKER, G. VERNON

• • •  
AIR FORCE SCIENTIFIC RESEARCH  
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AD-626 600

•HURLBERT, L. E.

• • •  
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AD-451 321

•HURLBUT, F. C.

• • •  
ENERGY TRANSFER IN PARTICLE-SURFACE  
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•JACOVITCH, J.

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•JASKIEWICZ, W. C.

• • •  
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•JENSKI, JOSEPH V.

• • •  
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• • •  
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•KENLINS, V.

• • •  
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• • •  
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•KOURILO, JOHN J.

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• • •  
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• • •  
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• • •  
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• • •  
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•OTTEN, KLAUS W.

• • •  
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• • •  
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•PAGE, MONTE M.

• • •  
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•PALIK, E.D.

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•PALMER, J. D.

• • •  
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AD-608 380

•PALMER, RICHARD S.

• • •  
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• • •  
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•PEER, COMP. BY BARBARA H.

• • •  
QUARTERLY BIBLIOGRAPHY OF REPORTS  
PREPARED UNDER CONTRACT NO.  
AF041695-169 (PERIOD COVERING 1  
APRIL THROUGH 30 JUNE 1963),  
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•PEISER, H. STEFFEN

• • •  
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• • •  
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•PETERSON, GORDON E.

• • •  
RESEARCH ON SPEECH COMMUNICATION  
AND AUTOMATIC SPEECH RECOGNITION.  
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•PHILLIPS, A.

• • •  
ELECTRON FRACTOGRAPHY HANDBOOK.  
AD-612 912

•PHILLIPS, G. BRIGGS

• • •  
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•PIERCE, CHARLIE M.

• • •  
THE FUNDAMENTAL EFFECTS OF  
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•POPLANSKI, BARTHOLOMEW

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•PRENTICE, VIRGINIA L.

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•REINBURG, J. T.

• • •  
LMSC PUBLISHED CONTRIBUTIONS 1964.  
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•RICE, RANDALL G.

• • •  
COMBUSTION AND EXHAUST PRODUCTS, A  
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•RODGERS, ERNEST M.

• • •  
A REPORT GUIDE TO GAMMA  
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• • •  
A REPORT GUIDE TO THERMAL TESTING  
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• • •  
A REPORT GUIDE TO LIQUID PENETRANT  
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• • •  
A REPORT GUIDE TO AUTORADIOGRAPHIC  
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•ROS, COMP. BY CHARLES G

• • •  
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• • •  
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• • •  
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• • •  
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•SEARS, W. R.

• • •  
FINAL REPORT (AEROSPACE  
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•SEEMANN, VICTOR

• • •  
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AD-626 577

•SHAFRITZ, ARNOLD S.

• • •  
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•SHUP, JUNE E.

• • •  
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• • •  
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• • •  
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•SOUKHANOV, IVAN M.

• • •  
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• • •  
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• • •  
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• • •  
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• • •  
U. S. NAVAL ORDNANCE LABORATORY  
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THE AEROBALLISTICS AREA,  
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• • •  
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• • •  
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• • •  
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• WOLLRAB, JAMES E.

• • •  
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•AF04 647 243  
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